58100-1

BIENNIAL REPORT

of the

PUBLIC SERVICE DEPARTMENT

STATE OF VERMONT

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JULY 1, 1980–JUNE 30, 1982

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STATE OF VERMONT
PUBLIC SERVICE BOARD
120 STATE STREET
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TO: The General Assembly of the State of Vermont.

The Department of Public Service presents its Biennial Report for the period from July 1, 1980 through June 30, 1982, in accordance with the provisions of 30 V.S.A., Section 24.

Respectfully submitted,

RICHARD H. SAUDEK
Commissioner

INTRODUCTION

On February 1, 1981, the Public Service Department and the Public Service Board split into two distinct offices. The Board continued to perform quasi-judicial duties, i.e., hearing rate requests, utility siting cases, condemnation cases and other matters within its jurisdiction. The Department represented the public before the Board, undertook power planning for the future, handled day-to-day consumer affairs, made and administered contracts for the purchase of power on behalf of the State and performed other regulatory functions.

Among the highlights of the biennium were 52 megawatt contracts with Hydro-Quebec and Ontario-Hydro, which saved the State an estimated $8 million per year in 1980–81 and 1981–82.

The Department's major efforts included litigation before the Federal Energy Regulatory Commission to preserve the continued allocation of 50 megawatts of power from the Niagara Power Project of the Power Authority of the State of New York (PASNY). Our reallocation of this valuable power has been challenged by a number of other states. The litigation is not yet complete and is expected to be the subject of appeals through the courts.

The full PASNY allocation of 150 megawatts has also been the subject of litigation. The PASNY Board of Trustees will decide in 1983 how this power will be allocated after June 1985, when Vermont's joint contracts expire. Because of the enormous value of these contracts to Vermont, the Department has put considerable resources into these hearings. As in the case of Niagara Project Power hearings, it is expected that appeals will be taken from any PASNY Trustees' determination.

Another of the Department's major efforts has been in connection with the proposed high voltage transmission line to tie the Province of Quebec with New England for large-scale future power exchanges. This line, which ultimately would be capable of transferring at least 2,000 megawatts (about one-eighth of the total present New England electrical demand), is proposed to cross the Canadian border at Norton and proceed mostly in Essex County south to Waterford, where it would cross the Connecticut River and go to a substation in Monroe, New Hampshire. The estimated annual savings to New England from transactions over the line are in excess of $100 million. Pursuant to an agreement among the utilities which are to sponsor the line, Vermont would receive ten percent of the savings, which is double its normal share of a New England Power Pool facility. The department led a team of State agencies in assessing the economic, environmental and health effects of the line. We concluded that the line deserved the State's support and we presented voluminous testimony on such issues as siting, electrical fields, effects on fragile wildlife areas and agricultural lands, etc. We also worked extensively with towns along the proposed corridor, to be sure that their citizens understood as much as possible about the line.

The Planning Division, which was created over the biennium, greatly enhanced the Department's capability of reviewing proposed power purchases by the electric utilities in the State. Although the Planning Divi-

sion's principal duty was to work on a twenty-year power plan mandated by the Legislature, we found that the addition of this unit helped evaluate the potential for conservation and the merits and drawbacks of particular power purchases.

One of the Department's most demanding activities is undertaken by the Division of Public Advocacy. In a typical year, the Division is required to appear in more than one hundred cases before the Board, and on appeal from the Board, to the Supreme Court. The Division's five attorneys, with the assistance and support of the Department's Economics and Engineering Divisions, must review all filings made by utilities with the Public Service Board. These range from rate cases involving the largest electric and telephone utilities to cable television service issues.

The Department focused upon the supervision of pipeline gas systems and their abandonment in St. Johnsbury, Montpelier, Rutland and Springfield, along with its on-going obligation to oversee the Vermont Yankee Nuclear Power Station.

Less publicized than the work discussed above, but important to ratepayers, are the daily activities of the Department's Consumer Affairs Division. Last year, the Unit handled approximately 3000 formal consumer complaints and requests for information. It has demonstrated itself to be extremely successful in negotiating reasonable settlements in disputes between consumers and utilities.

Richard H. Saudek,
Commissioner

DEPARTMENT OF PUBLIC SERVICE
STATEMENT OF CASH RECEIPTS AND DISBURSEMENTS
Fiscal Years Ended June 30, 1981 and 1982

	1981 Board & Department	1982 Department	Board
Cash Balance Brought Forward 7/1	$ 1,220,627.11	$ 1,396,963.82	
Add: Receipts			
Gross Revenue Tax	1,396,963.82	1,375,076.33	
Gross Revenue Tax Refunds	.....	(29,109.18)	
Reimbursement by:			
State Power Allottees	8,180.98	56,530.62	
Federal Grant – Federal Gas Safety Act	17,680.00	26,235.00	
Rate Case Reimbursements	283,466.36	134,239.44	
Sale of Service	1,241.52	281.41	
From Encumbrance	1,052.00	5,642.63	
Total Receipts & Reimbursements	$ 1,708,585.68	$ 1,568,896.25	
Total Funds Available	$ 2,929,211.79	$ 2,965,860.07	
Expenses:			
Personal Services:			
Salaries/staff:			
Board	$ 63,007.20	.....	
Administration	33,606.40	$ 84,910.40	
Clerical	53,476.02	49,310.50	
Engineers	118,378.10	117,038.56	
Accounting, Auditing & Economic	93,065.79	62,594.62	
Consumer Affairs	41,665.52	34,323.11	
Exempt Legal Positions	90,850.84	85,869.60	
Hearing Examiners	21,462.40	.....	
Planning Division	.....	75,010.40	
Temporary Positions	2,324.16	44,036.34	
Contractural Services:			
Accounting, Auditing & Economic	45,484.40	168,999.22	
Engineering	69,381.30	194,599.48	
Legal	46,466.45	408,238.33	
Court Reporters	43,052.74	.....	
Miscellaneous	52,755.09	112,724.01	
State Contributions:			
Dental	2,877.20	2,656.84	
Group Hosp. Ins.	12,800.35	12,594.52	
Group Life Insurance	2,535.67	1,799.37	
Retirement	30,019.50	47,303.76	
Social Security	31,701.96	35,629.70	
Sub-total Personal Services	$ 854,911.09	$ 1,537,638.76	
Operating Expenses:			
Cloth & Allied Items	.....	.....	
Reference Books	$ 646.07	.....	
Radio & Radar Supplies	21.50	.....	
Miscellaneous Supplies & Materials	222.81	$ 285.75	
Office Supplies	1,898.45	3,114.67	
Office Supplies – Central Stores	990.61	3,423.26	
Other Vehicles	66.73	.....	
Service of Papers	163.00	.....	
Legal Advertising	4,911.93	3,746.60	
Dues & Subscriptions	4,607.30	7,720.23	
Employee Training Costs	.....	2,010.00	
Freight & Express	1,323.45	1,277.09	

Postage	3,606.58	7,264.14	
Janitorial Service	42.41	.....	
Misc. Contractural Serv.	.....	.....	
Meetings, Conferences, etc.	.....	.....	
Data Processing	.....	6,985.53	
Printing & Duplication	11,021.94	9,376.63	
Miscellaneous Fees	.....	18.00	
Miscellaneous Rentals	38.40	.....	
Rental Office Equipment	1,495.70	11,567.90	
Rental Office Space	40,250.32	35,425.13	
Repair & Maintenance – Bldg.	.....	8,954.26	
Repair & Maintenance – Equipment	1,624.31	2,373.00	
Telephone & Telegraph	17,746.81	22,973.30	
Travel & Lodging	28,925.52	46,829.78	
Equipment	8,219.91	10,269.55	
Encumbered	5,642.63	2,545.69	
Sub-total Operating Expenses	$ 133,466.38	$ 186,160.51	
Total Disbursements	$ 988,377.47	$ 1,723,799.27	
Transfer to Board			$498,025.53
Transfer to Energy Office	5,005.50		
Ending Balance	$ 1,935,828.82	$ 744,035.27	
Transfer to General Fund	538,865.00	.....	
Transfer to Reserve Fund	.....	.....	
Cash Balance Carried Forward – June 30	$ 1,396,963.82	$ 744,035.27	

ELECTRIC UTILITIES

(a) Vermont Power Supply Sources During the Biennium.

The power supplied by the Power Authority of the State of New York (PASNY) provided one-fifth of the electric energy [kilowatt hours (KWH)] used in Vermont during the biennium. The contract for Niagara Project power was renewed effective January 1, 1980 under different terms which resulted in Vermont receiving about 7% less PASNY energy. The renewal term extends to June 30, 1985, when the present contract for St. Lawrence Project power expires. Litigation regarding renewal of both contracts is in progress. The annual combined KWH sales of energy to this Department from the St. Lawrence Project and the Niagara Project, compared to the total Vermont KWH requirements, are shown in the following table:

Year	KWH PASNY (State Line)	Requirements Supplied by PASNY	Total State Requirements KWH
1962	895,322,000	65%	1,392,852,000
1963	865,827,000	58	1,483,029,000
1964	963,550,000	62	1,568,374,000
1965	889,961,000	52	1,709,390,000
1966	905,354,000	48	1,889,497,000
1967	974,712,000	47	2,087,902,000
1968	1,072,206,000	47	2,276,812,000
1969	994,009,000	39	2,549,992,000
1970	912,204,000	32	2,814,164,000
1971	920,592,000	30	3,069,176,300
1972	1,094,360,000	33	3,358,317,800
1973	1,131,104,000	33	3,403,345,200
1974	1,106,928,000	33	3,340,529,900
1975	1,122,792,000	33	3,385,609,200
1976	1,102,700,000	31	3,600,999,700
1977	1,026,248,000	28	3,602,094,800
1978	953,364,000	25	3,812,567,700
1979	994,080,000	25	3,903,015,800
1980	883,259,000	21	4,109,184,100
1981	885,142,000	21	4,261,930,100
1982 (6 mos.)	447,207,000	20	2,254,046,500

The Department is involved in litigation on two fronts concerning the PASNY power. At the Federal Energy Regulatory Commission (FERC), the Massachusetts Municipal Wholesale Electric Company and the Connecticut Municipal Electric Energy Cooperative have challenged PASNY's 1980 allocations of Niagara Project power to out-of-state entities, which include 50,000 kilowatts to Vermont for the period January 1, 1980 through June 30, 1985. At PASNY, the Department is involved in litigation relating to out-of-state allocations of PASNY power from the Niagara Project and the St. Lawrence Project. Vermont presently receives 100,000 kilowatts from the St. Lawrence Project. The outcome of both actions will have a large effect on power costs in Vermont, since PASNY power still costs less than one cent per KWH.

Vermont experienced a 13% increase in its annual peak during the 1980–81 winter period due to an extended extremely cold spell in January. The peak in the 1981–82 winter period was 1.4% less than the previous winter peak for an overall increase of 11.3% for the biennium.

In addition to PASNY, Vermont's load during the biennium was supplied by Vermont Yankee, in-state hydro and fossil generation, the Merrimack Unit No. 2 of the Public Service Company of New Hampshire, Canal Unit No. 2 of the Canal Electric Company, New Brunswick, Hydro-Quebec, three out-of-state nuclear units, the Middletown and Montville Units of Northeast Utilities, Wyman Unit No. 4 of the Central Maine Power Corporation, Ontario Hydro, the New England Power Pool (NEPOOL), and the Stony Brook combined cycle plant, which became operational during the biennium.

(b) **Future Sources of Power**

Vermont utilities have made commitments to obtain power from the following plants:

	Principal Owner	Fuel	Anticipated Startup	Approximate KW
McNeil Wood Plant	Burlington Electric	Wood	1984	50,000
Seabrook No. 1	P.S. of New Hampshire	Nuclear	1985	23,000
Seabrook No. 2	P.S. of New Hampshire	Nuclear	1988	23,000
Millstone No. 3	Northeast Utilities	Nuclear	1986	27,000
Sears Island	Central Maine Power	Coal	1995	30,000

Additional requirements as a result of the Three Mile Island accident may delay even further operation of the nuclear plants. The present long-range load growth forecast for New England by NEPOOL is 2% per year. The Department is forecasting peak load growth for Vermont of 2.2% through the year 2,000. Programs proposed in the Department's Twenty-Year Electric Power Plan could decrease that growth rate to 1.4% through conservation and load management measures. For New England utilities, the concern through the mid to late 1980's is not as much lack of capacity as it is the availability and price of foreign oil and the success at lessening dependence on that fuel.

With the concern about conservation of non-renewable resources and less dependence upon foreign oil, the State is pursuing possible arrangements with Canadian utilities for hydro and coal generated power as well as electricity produced locally by hydro, wood and wind. The Burlington Electric Department is constructing a 50,000 KW wood-burning plant. Many new hydro sites are being studied throughout Vermont.

(c) **Section 248 Cases**

The most significant project for a certification under 30 V.S.A. §248 during the biennium was the proposal to construct a ± 450 KV direct current power line through northeastern Vermont from the Quebec border to the Connecticut River. Hearings are continuing on the proposal which would result in a facility capable of 690,000 KW, about 67,000 KW of which would be available to Vermont in Phase 1 of the project. Phase 2 would result in 2,000,000 KW for New England and almost 200,000 KW for Vermont. Contracts between Hydro-Quebec and NEPOOL would make Hydro-Quebec hydro energy available to New England to replace oil generated energy at a lower cost. Other significant 248 filings resulted in certification for a 345 KV line between Cavendish and West Rutland and a 115 KV substation in South Hero.

Many 248 hearings were held for new hydro generating facilities. The status of State requirements for certification of facilities for which a FERC license has been issued is uncertain at this time, as a result of a recent Federal Court decision which ruled State jurisdiction pre-empted by Federal jurisdiction.

(d) Vermont Yankee Nuclear Power Corporation

Vermont Yankee supplied about 33% of Vermont's electrical energy during the biennium. Since it began operation in 1972, through June 30, 1982, it had generated 30,414,196,000 net KWH. Its cumulative capacity factor (capacity factor is the actual generation divided by the amount it would have generated if operated continually at 100% of its capacity for the whole period of time) is 69% as compared with the average for all boiling water reactors of 60%. The capacity factor in 1980 was 66.0% and 79.3% in 1981.

Although the cost of power from Vermont Yankee increased to about 24 mills per KWH by the end of the biennium, it remained our least expensive source except for existing in-state hydro and PASNY power.

(e) Hydroelectric Power

With interest in hydroelectric generation continuing at a high level, the Public Service Department is active in several areas in an effort to provide information assistance to those parties interested in the development of new and existing hydroelectric facilities.

The New England River Basins Commission (NERBC) hydropower expansion study, which began in June, 1978, has been completed.

To assist hydropower developers, the Public Service Board issued, in June 1980, a booklet entitled "Vermont Hydroelectric Development Handbook." The booklet is an overview of engineering, environmental and economic concepts along with a summary description of the process of developing a hydro facility for the commercial sale of electricity.

(f) Residential Conservation Corporation

In accordance with the National Energy Conservation Policy Act of 1978 as amended by the Energy Security Act of 1980, the Public Service Department has been the lead agency in organizing the Residential Conservation Corporation (RCC). The RCC is a corporation funded primarily by Vermont's largest utilities, to advise Vermonters on cost effective conservation and home renovation measures. The RCC is designed to help the homeowner obtain high quality workmanship at a reasonable price. It came into existence in November of 1979 and, as of October 1980, was in the vanguard of the drive for home energy conservation. The RCC has conducted 2000 home energy audits during the last biennium.

(g) PURPA

The Public Service Board and Department are both actively engaged in the process of implementing the Public Utility Regulatory Policies Act of 1978 (PURPA). Two of the stated objectives of PURPA are to encourage small scale power production and to reduce the use of imported

oil. In June, 1981 General Order 65 was issued establishing a rate for energy sales to utilities based on their avoided costs. A rulemaking proceeding is currently under way to revise the order under which small power producers sell their power to utilities to include long-term capacity sales as well as energy sales.

Rates:

During the past biennium, 22 of the State's 26 electric distribution utilities received one or more rate increases. In addition, two of the remaining four companies received major rate design changes with little or no effect on revenue requirement. Two major changes in law during the biennium greatly effected the State's electrical utilities. The first change was the elimination of the Company's right to collect recoupment during the six month suspension period and the second allows Municipal and Cooperative utilities to start billing the requested revenue 45 days after filing whether or not the Department recommends a hearing.

This period also brought about the implementation of demand rates to large residential users. Several of the State's smaller utilities implemented demand rates to apply to all new large electric customers or mandatory to all existing large users. All data concerning the effect of the type of rate is not complete but the Department feels the demand rate is a positive way to control demand and the associated costs. The Department continues to advocate seasonal and cost justified rates and several of the State's utilities implemented seasonal and time of day rates during the two year period.

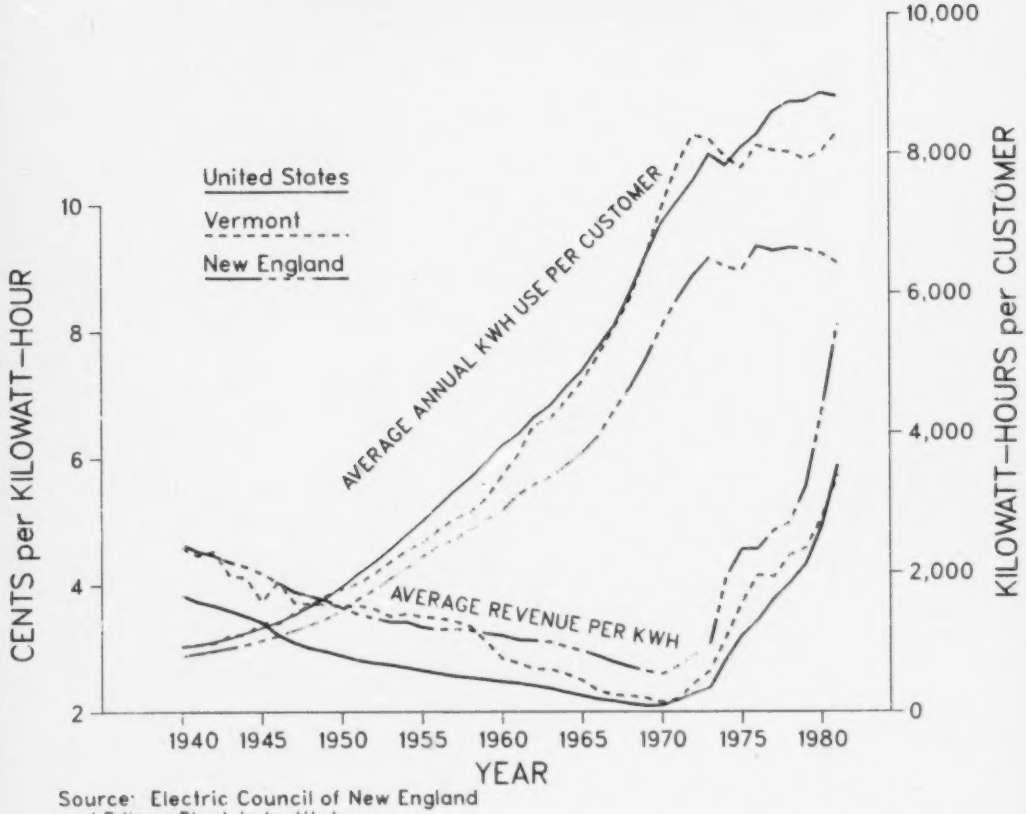
The two largest factors contributing to the great number of rate increases were large increases in the cost of purchase power and general inflationary pressures.

TYPICAL RESIDENTIAL AND FARM BILLS FOR PRIVATE, MUNICIPAL AND COOPERATIVE ELECTRIC UTILITIES IN VERMONT – NOVEMBER, 1982

Name of Utility	KWH 25	KWH 100	KWH 250	KWH 500	KWH 750	KWH 1000	KWH 1500	KWH 2000	KWH 3000
Allied Power & Light Co.	$ 2.97	$ 7.48	$15.86	$29.81	$43.77	$57.73	$85.64	$113.55	$169.38
Barton Village, Inc.									
Peak – 6 months	5.70	5.70	12.40	29.15	45.90	62.65	96.15	129.65	196.65
Off-Peak – 6 months	5.70	5.70	10.10	21.10	32.10	43.10	65.10	87.10	131.10
Average	5.70	5.70	11.25	25.13	39.00	52.88	80.63	108.38	163.88
Burlington, City of									
Peak – 6 months	3.27	6.34	12.47	27.39	43.49	59.58	91.76	123.95	188.33
Off-Peak – 6 months	3.27	6.34	12.47	24.29	36.51	48.73	73.16	97.60	146.48
Average	3.27	6.34	12.47	25.32	38.84	52.35	79.36	106.38	160.43
Central Vt. Public Serv. Corp.									
Peak – 4 months	6.62	9.15	18.41	47.86	77.30	106.75	165.65	224.54	342.33
Off-Peak – 8 months	6.62	9.15	14.99	27.35	39.71	52.07	76.79	101.51	150.95
Average	6.62	9.15	16.13	34.19	52.24	70.30	106.41	142.52	214.74
Citizens Utilities Co.	8.02	8.06	10.71	23.59	36.48	49.36	75.13	100.90	152.44
Enosburg Falls, Village of									
Peak – 5 months	5.75	8.00	12.50	26.60	42.35	58.10	89.60	121.10	184.10
Off-Peak – 7 months	5.75	8.00	12.50	23.00	34.25	45.50	68.00	90.50	135.50
Average	5.75	8.00	12.50	24.50	37.63	50.75	77.00	103.25	155.75
Franklin Electric Light Co.									
Peak – 5 months	4.00	5.00	15.00	27.50	40.00	52.50	77.50	102.50	152.50
Off-Peak – 7 months	4.00	5.00	13.00	23.00	33.00	43.00	63.00	83.00	123.00
Average	4.00	5.00	13.83	24.58	35.92	46.96	69.04	91.13	135.29
Green Mountain Power Corp.									
Peak – 5 months	6.52	9.57	15.68	33.51	53.26	73.01	112.51	152.01	231.01
Off-Peak – 7 months	6.52	9.57	15.68	26.51	37.51	48.51	70.51	92.51	136.51
Average	6.52	9.57	15.68	29.43	44 07	58.72	88.01	117.30	175.89
Hardwick, Village of									
Peak – 6 months	7.00	7.00	10.55	28.30	46.05	63.80	99.30	134.80	205.80
Off-Peak – 6 months	7.00	7.00	9.15	19.90	30.65	41.40	62.90	84.40	127.40
Average	7.00	7.00	9.85	24.10	38.35	52.60	81.10	109.60	166.60
Hyde Park, Village of									
Peak – 6 months	5.00	7.25	17.25	38.50	59.75	81.00	123.50	166.00	251.00
Off-Peak – 6 months	5.00	7.25	13.95	26.95	39.95	52.95	78.95	104.95	156.95
Average	5.00	7.25	15.60	32.73	49.85	66.98	101.23	135.48	203.98
Jacksonville, Village of									
Peak – 6 months	6.25	8.50	18.33	36.08	53.83	71.58	107.08	142.58	213.58
Off-Peak – 6 months	6.25	8.50	15.99	29.24	42.49	55.74	82.24	108.74	161.74
Average	6.25	8.50	17.16	32.66	48.16	63.66	94.66	125.66	187.66
Johnson, Village of	3.75	5.35	11.35	18.59	25.59	32.59	46.59	60.59	88.59
Ludlow, Village of									
Peak – 6 months	4.10	5.90	13.10	28.10	43.10	58.10	88.10	118.10	178.10
Off-Peak – 6 months	4.10	5.90	10.30	18.30	26.30	34.30	50.30	66.30	98.30
Average	4.10	5.90	11.70	23.20	34.70	46.20	69.20	92.20	138.20
Lyndonville, Village of									
Peak – 6 months	6.80	9.20	14.00	34.25	54.50	74.75	115.25	155.75	236.75
Off-Peak – 6 months	6.80	9.20	14.00	25.75	37.50	49.25	72.75	96.25	143.25
Average	6.80	9.20	14.00	30.00	46.00	62.00	94.00	126.00	190.00
Morrisville, Village of									
Peak – 6 months	6.40	6.40	11.40	27.90	44.40	60.90	93.90	126.90	192.90
Off-Peak – 6 months	6.40	6.40	9.70	21.95	32.20	46.45	70.95	95.45	144.45
Average	6.40	6.40	10.55	24.93	39.30	53.68	82.43	111.18	168.68
New Hampshire Electric Co-op.	7.37	12.97	24.17	42.85	61.52	80.19	117.54	154.88	229.57
Northfield, Village of									
Peak – 5 months	4.75	4.75	7.50	22.50	37.50	52.50	82.50	112.50	172.50
Off-Peak – 7 months	4.75	4.75	7.50	16.25	25.00	33.75	51.25	68.75	103.75
Average	4.75	4.75	7.50	18.85	30.21	41.56	64.27	86.98	132.40

Orleans, Village of									
Peak – 5 months	3.75	6.00	12.90	27.90	42.90	57.90	87.90	117.90	177.90
Off-Peak – 7 months	3.75	6.00	11.30	21.30	31.30	41.30	61.30	81.30	121.30
Average	3.75	6.00	11.97	24.05	36.13	48.22	72.38	96.55	144.88
Public Service Co. of N.H.	7.59	13.54	25.45	45.30	65.15	85.00	124.70	164.40	243.80
Readsboro, Village of									
Peak – 5 months	6.25	8.50	15.43	29.68	43.93	58.18	86.68	115.18	172.18
Off-Peak – 7 months	6.25	8.50	13.90	23.90	33.90	43.90	63.90	83.90	123.90
Average	6.25	8.50	14.54	26.31	38.08	49.85	73.39	96.93	144.02
Rochester Electric Light & Pwr.									
Peak – 6 months	6.28	8.59	15.63	29.36	43.09	56.82	84.28	111.74	166.66
Off-Peak – 6 months	6.28	8.59	13.53	22.01	30.49	38.97	55.93	72.89	106.81
Average	6.28	8.59	14.58	25.69	36.79	47.90	70.11	92.32	136.74
Stowe, Village of									
Peak – 5 months	4.40	4.40	13.55	31.80	50.05	68.30	104.80	141.30	214.30
Off-Peak – 7 months	4.40	4.40	9.80	21.80	33.80	45.80	69.80	93.80	141.80
Average	4.40	4.40	11.36	25.97	40.57	55.18	84.38	113.59	172.01
Swanton									
Peak – 6 months	6.00	6.00	12.00	27.00	42.00	57.00	87.00	117.00	177.00
Off-Peak – 6 months	6.00	6.00	8.85	18.00	28.35	38.10	57.60	77.10	116.10
Average	6.00	6.00	10.43	22.80	35.18	47.55	72.30	97.05	146.55
Vermont Electric Cooperative									
Peak – 6 months	7.85	10.10	22.18	44.83	67.48	90.13	135.43	180.73	271.33
Off-Peak – 6 months	7.85	10.10	17.35	30.35	43.35	56.35	82.35	108.35	160.35
Average	7.85	10.10	19.77	37.59	55.42	73.24	108.89	144.54	215.84
Vermont Marble Company									
Peak – 4 months	5.75	5.75	15.00	30.00	45.00	60.00	90.00	120.00	180.00
Off-Peak – 8 months	5.75	5.75	12.00	24.00	36.00	48.00	72.00	96.00	144.00
Average	5.75	5.75	13.00	26.00	39.00	52.00	78.00	104.00	156.00
Washington Electric Co-op.									
Peak – 6 months	8.88	11.50	21.35	41.60	61.85	82.10	122.60	163.10	244.10
Off-Peak – 6 months	8.88	11.50	18.55	31.80	45.05	58.30	84.80	111.30	164.30
Average	8.88	11.50	19.95	36.70	53.45	70.20	103.70	137.20	204.20

REVENUE PER KILOWATT-HOUR AND ELECTRIC USE PER CUSTOMER FOR RESIDENTIAL CUSTOMERS, 1980–1981



Source: Electric Council of New England and Edison Electric Institute

STATE LINE ALLOCATIONS OF ST. LAWRENCE PROJECT POWER AND NIAGARA PROJECT POWER AS OF June 30, 1982

	St. Lawrence Allocation KW	Niagara Base Allocation KW	Niagara Peaking Allocation KW
Allied Power & Light Company	664	250	63
Barton Village, Inc.	456	165	41
Burlington Electric Light Deptment	9,383	3,810	953
Central Vermont Public Service Corp.	45,790	16,254	4,063
Citizens Utilities Company	5,101	1,853	464
Enosburg Falls Inc., Village of	727	241	60
Franklin Electric Light Company Inc.	364	160	40
Green Mountain Power Corporation	26,317	9,552	2,388
Hardwick, Inc. Village of	1,229	415	103
Hyde Park, Village of	249	95	24
Jacksonville, Village of	122	58	14
Johnson Electric Light & Power Dept.	150	120	29
Ludlow, Electric Light Deptartment	469	189	47
Lyndonville Municipal Electric Dept.	1,662	712	179
Morrisville, Village of	700	471	118
New England Power Company	...	...	...
New Hampshire Electric Cooperative, Inc.	...	...	...
Northfield Electric Department	915	387	97
Orleans, Inc., Village of	244	94	24
Public Service Company of New Hampshire	...	...	...
Readsboro Electric Light Dept.	113	33	9
Rochester Electric Light & Power Co.	232	78	19
Stowe, Village of	346	136	34
Swanton, Electric Light Company ..	...	610	153
Vermont Electric Cooperative, Inc. .	2,661	1,371	342
Vermont Marble Company	10	149	37
Washington Electric Cooperative, Inc.	2,096	797	199
Totals	100,000	38,000	9,500

VERMONT PUBLIC SERVICE DEPARTMENT
REVENUES AND USAGE OF RESIDENTIAL CUSTOMERS
FOR THE YEAR ENDED DECEMBER 31, 1980

Company	Revenue	KWH	Number of Customers	Average Usage	Revenue per KWH Sold	(1)Lowest (24) Highest Company Rank
Allied Power & Light Co.	$ 836,683.56	16,758,284	2,143	7,820	4.993¢	19
Barton Village, Inc.	334,300.17	7,989,405	1,326	6,025	4.184	13
Burlington, City of	4,815,635.00	103,070,934	12,719	8,104	4,672	15
Central Vt. Public Service Corp.	37,549,368.00	700,295,768	90,393	7,747	5.362	21
Citizens Utilities	3,371,423.00	85,655,727	13,067	6,555	3.936	8
Enosburg Falls Inc., Village of	309,779.45	8,493,375	911	9,323	3.647	5
Franklin Electric Lt. Co., Inc.	295,178.94	6,782,788	679	9,989	4.352	14
Green Mountain Power Corp.	25,005,648.00	480,931,078	51,288	9,377	5.199	20
Hardwick, Village of	707,432.94	17,244,858	2,798	6,163	4.102	11
Hyde Park, Inc., Village of	223,190.76	5,785,252	671	8,622	3.858	6
Jacksonville, Village of	119,986.01	2,466,260	416	5,929	4.865	17
Johnson, Village of	173,916.70	5,219,566	501	10,418	3.332	1
Ludlow, Village of	510,707.05	10,638,807	1,695	6,277	4.800	16
Lyndonville, Village of	814,858.00	20,821,074	2,896	7,190	3.914	7
Morrisville, Village of	685,573.00	17,320,425	2,179	7,949	3.958	9
Northfield Elec. Dept., Village of	401,300.31	11,050,937	1,393	7,933	3.631	4
Orleans, Vt., Inc., Village of	145,316.33	3,657,597	511	7,158	3.973	10
Readsboro, Village of	49,682.78	995,190	244	4,079	4.992	18
Rochester Electric Lt. & Power Co.	281,516.86	5,147,440	578	8,906	5.469	22
Stowe, Village of	694,364.81	16,602,890	1,633	10,167	4.182	12
Swanton, Village of, Elec. Lt. Co.	755,721.00	21,352,487	2,177	9,808	3.539	2
Vt. Electric Co-op., Inc.	4,774,363.00	83,029,476	9,120	9,104	5.750	23
Vt. Marble Co.	191,857.85	5,340,495	742	7,197	3.593	3
Washington Electric Co-op., Inc.	2,651,631.00	43,075,809	5,785	7,446	6.156	24
Total	$85,699,434.52	1,679,725.922	205,865	8,159	5.102¢	

VERMONT PUBLIC SERVICE DEPARTMENT
REVENUES AND USAGE OF RESIDENTIAL CUSTOMERS
FOR THE YEAR ENDED DECEMBER 31, 1981

Company	Revenue	KWH	Number of Customers	Average Usage	Revenue per KWH Sold	(1)Lowest (24) Highest Company Rank
Allied Power & Light Co.	$ 987,408.74	17,581,552	2,171	8,098	5.616¢	19
Barton Village, Inc.	366,442.95	8,687,511	1,394	6,232	4.218¢	5
Burlington, City of	5,606,568.00	104,762,169	12,894	8,125	5.352	18
Central Vt. Public Service Corp.	45,573,153.00	731,850,000	92,293	7,930	6.236	22
Citizens Utilities	3,929,854.00	91,008,000	13,274	6,856	4.318	6
Enosburg Falls Inc., Village of	409,385.81	9,449,895	930	10,161	4.332	7
Franklin Electric Lt. Co., Inc.	330,696.63	6,935,090	694	9,993	4.768	13
Green Mountain Power Corp.	30,175,857.00	494,635,700	52,666	9,392	6.100	21
Hardwick, Village of	824,032.70	17,654,264	2,843	6,210	4.668	11
Hyde Park, Inc., Village of	262,511.34	5,791,852	666	8,696	4.532	10
Jacksonville, Village of	131,954.02	2,469,788	427	5,784	5.343	17
Johnson, Village of	186,179.34	5,597,502	509	10,977	3.326	1
Ludlow, Village of	584,677.70	11,033,549	1,838	6,003	5.299	16
Lyndonville, Village of	997,251.00	22,614.940	2,992	7,558	4.410	8
Morrisville, Village of	930,173.00	17,697,000	2,174	8,140	5.256	15
Northfield Elec. Dept., Village of	420,287.66	11,046,960	1,399	7,896	3.805	2
Orleans, Vt., Inc., Village of	174,139.05	3,823,380	520	7,352	4.555	12
Readsboro, Village of	44,938.41	1,001,909	262	2,824	4.485	9
Rochester Electric Light & Power	296,407.79	4,964,779	578	8,589	5.970	20
Stowe, Village of	870,679.77	17,190,341	1,721	9,989	5.065	14
Swanton, Village of, Elec. Lt. Co.	911,297.00	22,000,884	2,237	9,835	4.142	4
Vt. Electric Co-op., Inc.	5,928,385.00	86,151,753	9,396	9,169	6.881	24
Vt. Marble Co.	212,701.72	5,398,560	757	7,132	3.940	3
Washington Electric Co-op., Inc.	2,893,729.00	44,543,774	5,916	7,529	6.496	23
Total	$103,048,710.63	1,743,891,152	210,551	8,283	5.909¢	
NH Electric Co-op., Inc.	72,886.00	975,000	239	4,079	7.476¢	
PS New Hampshire	375,406.00	5,190,000	899	5,773	7.233¢	

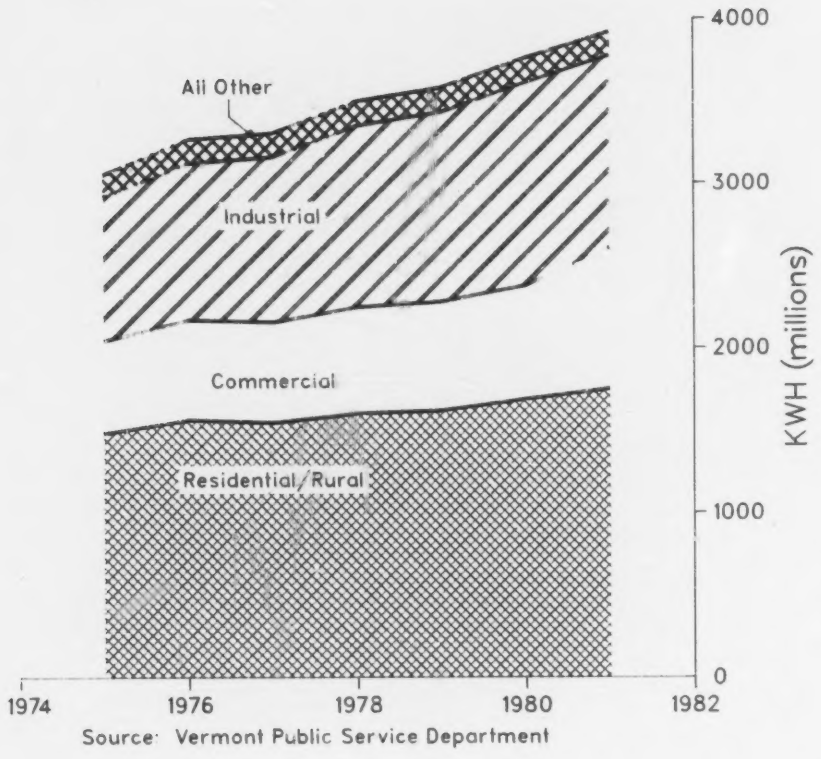
VERMONT ELECTRIC UTILITIES
COMPARATIVE MHW SALES TO ULTIMATE CONSUMERS

	1981	1980	1979	1978	1977	1976
Residential, Domestic and Rural	1,750,053	1,686,124	1,617,217	1,599,397	1,543,775	1,560,191
Commercial and Industrial	2,025,245	1,923,769	1,813,574	1,749,401	1,651,564	1,560,028
Street Lighting	18,406	18,630	18,326	18,369	18,393	18,202
Public Authorities	124,727	131,544	130,657	131,067	126,772	126,312
Total	3,918,431	3,760,067	3,579,774	3,498,234	3,340,504	3,264,733
Percentage of Increase	4.2%	5.0%	2.3%	4.7%	2.3%	7.0%

VERMONT ELECTRIC UTILITIES
COMPARATIVE OPERATING REVENUES FROM ULTIMATE CONSUMERS

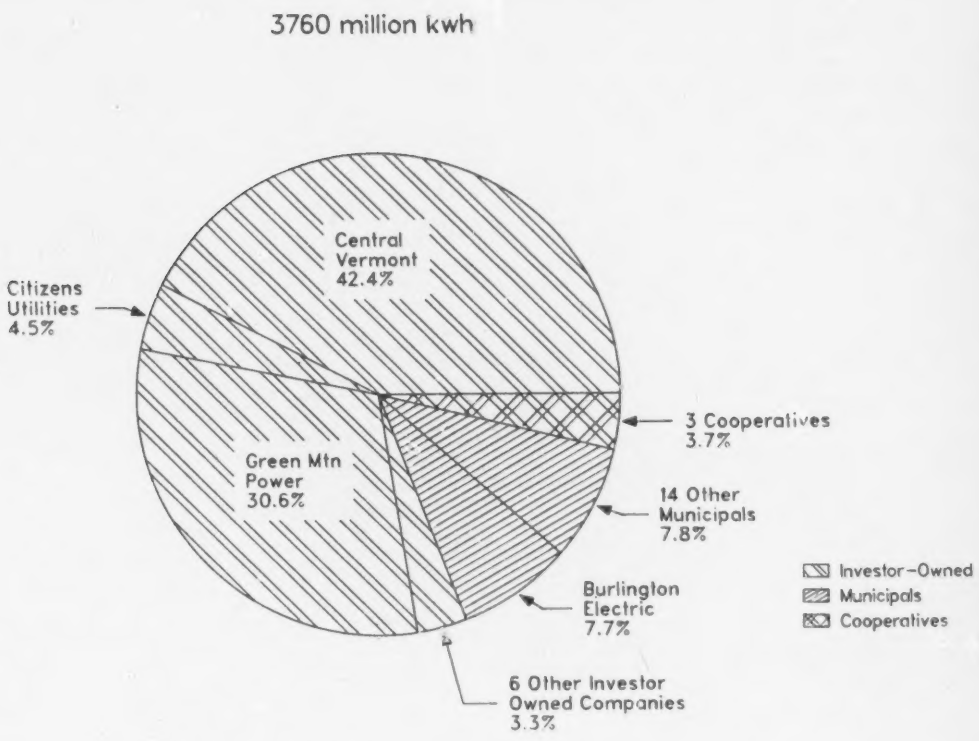
	1981	1980	1979	1978	1977	1976
Residential, Domestic and Rural	$103,497,004	$ 86,074,314	$ 74,103,303	$ 71,279,577	$ 65,178,456	$ 65,080,416
Commercial and Industrial	96,903,172	77,482,390	61,797,564	58,014,214	51,284,341	48,958,953
Street Lighting	1,959,736	1,781,229	1,681,037	1,627,699	1,504,567	1,477,167
Public Authorities	7,333,402	6,248,303	5,622,788	5,436,832	4,738,148	4,797,861
Total	$209,693,314	$171,586,236	$143,204,692	$136,358,322	$122,705,512	$120,314,397
Percentage of Increase	22.2%	19.8%	5.0%	11.1%	2.0%	17.0%
Ave. selling price per KWH	$.05351	$.04563	$.04000	$.03898	$.03673	$.03685

ENERGY SALES IN VERMONT
1975–1981



Source: Vermont Public Service Department

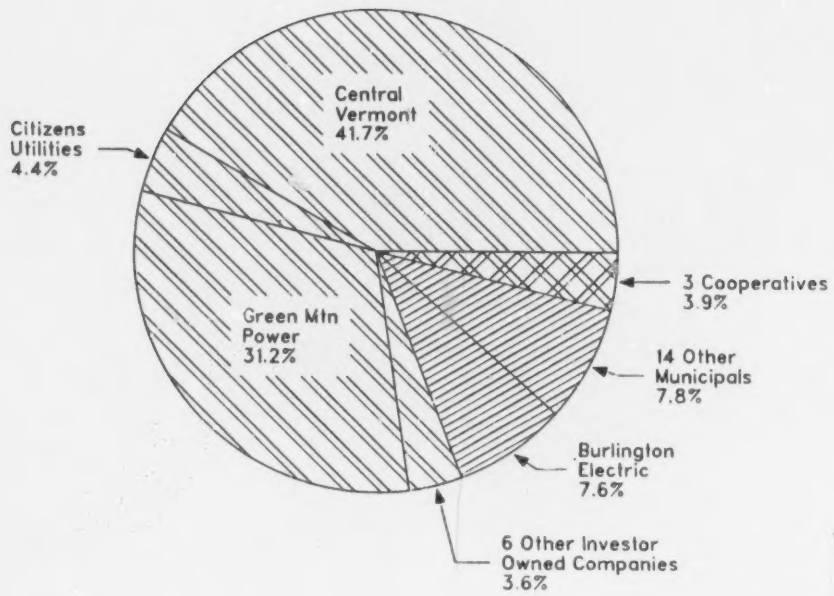
KWH SALES TO ULTIMATE CUSTOMERS IN VERMONT, 1980



Source: Vermont Public Service Department

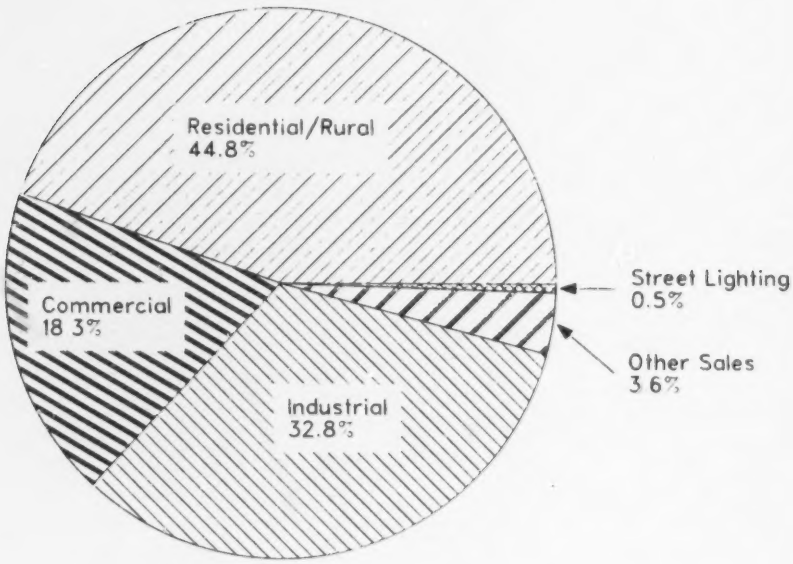
KWH SALES TO ULTIMATE CUSTOMERS IN VERMONT, 1981

3918 million KWH



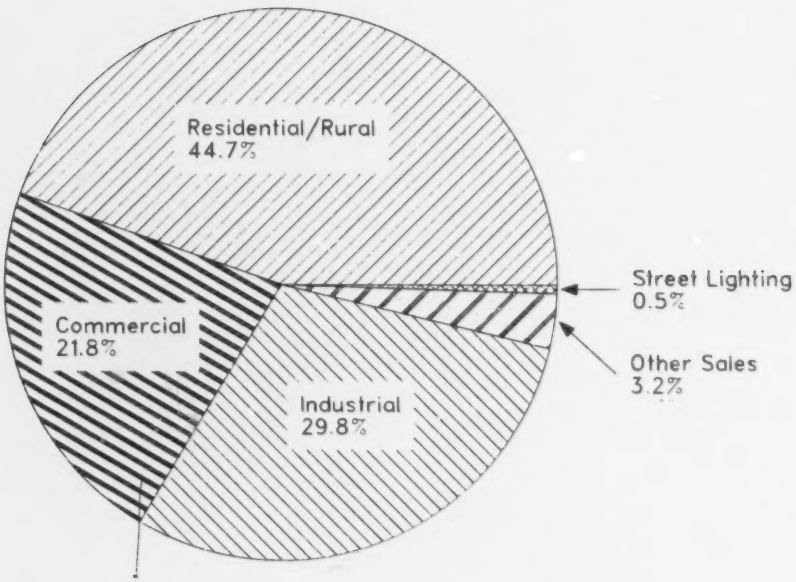
Source: Vermont Public Service Department

SALES TO ULTIMATE CONSUMERS BY VERMONT ELECTRIC UTILITIES, 1980



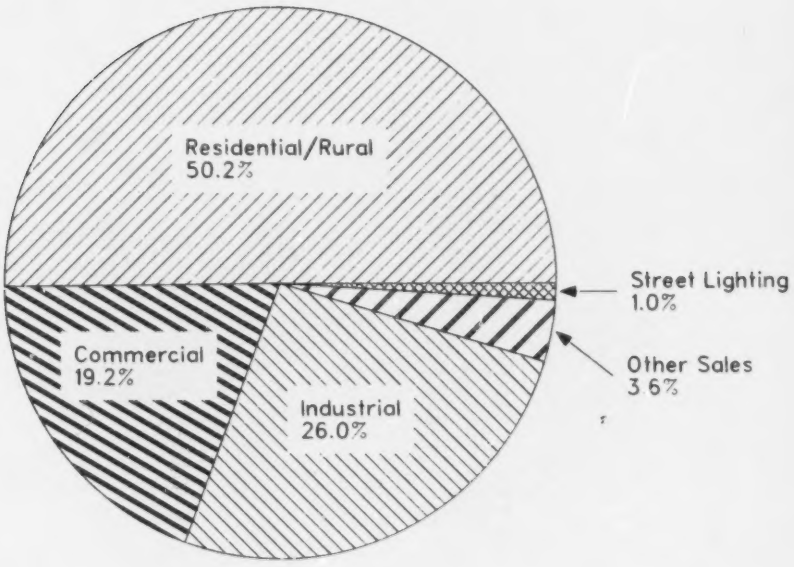
Source: Vermont Department of Public Service

SALES TO ULTIMATE CONSUMERS BY VERMONT ELECTRIC UTILITIES, 1981



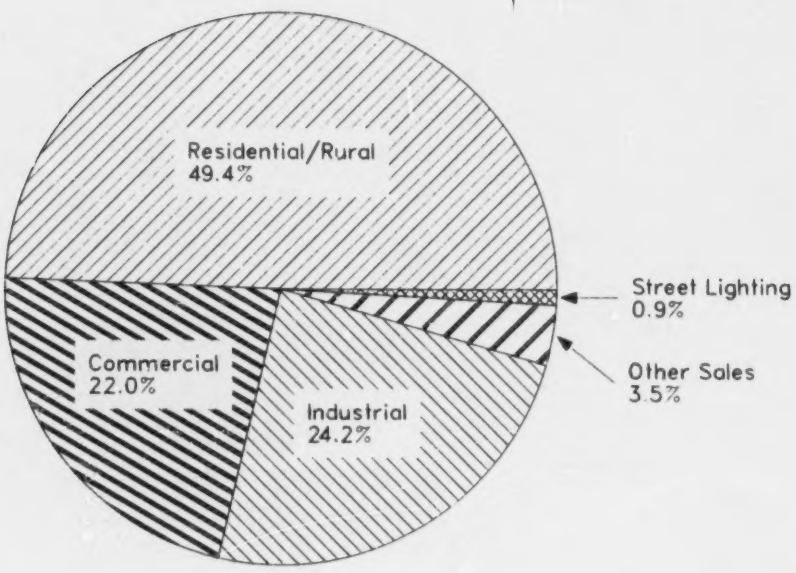
Source: Vermont Department of Public Service

VERMONT ELECTRIC UTILITIES
REVENUES FROM ULTIMATE CONSUMERS, 1980



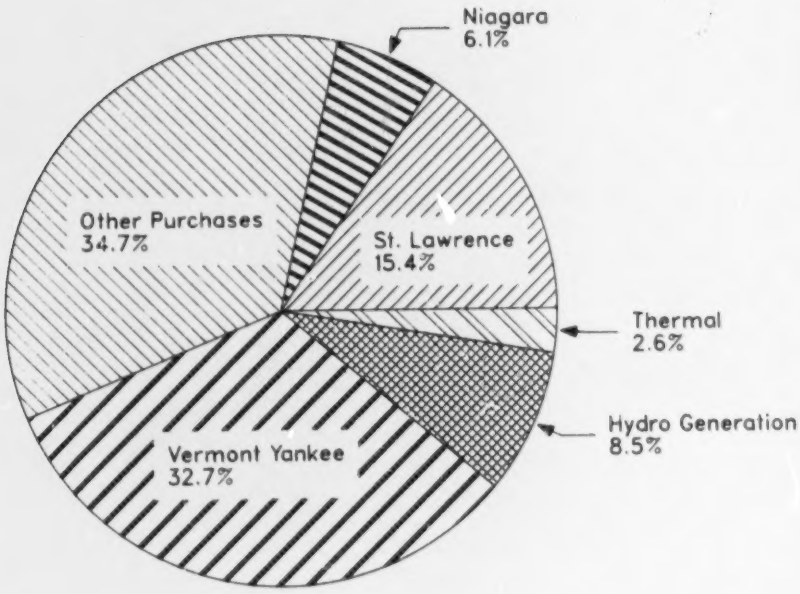
Source: Vermont Department of Public Service

VERMONT ELECTRIC UTILITIES
REVENUES FROM ULTIMATE CONSUMERS, 1981



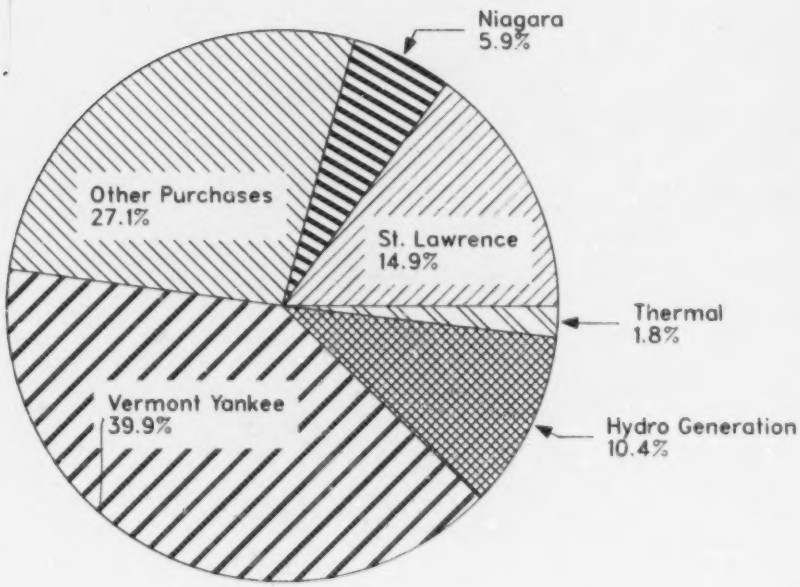
Source: Vermont Department of Public Service

VERMONT ELECTRIC ENERGY SUPPLY, 1980
4,109.2 million KWH



Source: Vermont Department of Public Service

VERMONT ELECTRIC ENERGY SUPPLY, 1981
4,261.9 million KWH



Source: Vermont Department of Public Service

VERMONT ELECTRIC UTILITIES – CONDENSED OPERATING STATEMENT
FOR THE YEAR ENDED DECEMBER 31, 1980

	Operating Revenues	Operations and Maintenance Expenses	Other Depreciation and Amortization Expense	Taxes Other Than Income Taxes	Federal Income Tax	Vermont Tax & Other States	Total Operating Expenses	Net Utility Operating Income	Other Income	Other Income Deductions	Extraordinary Income Items and Taxes	Interest Charges	Net Income
Private Utilities													
Central Vermont Public Serv. Corp.	$ 88,941,413	$ 69,364,435	$ 3,600,267	$ 4,176,929	$ 3,037,819	$ (503,395)	$ 79,676,055	$ 9,265,358	$ 5,622,218	$ 209,661	$ (392,029)	$ 5,383,665	$ 8,902,221
Green Mountain Power Corp.	57,346,465	43,741,061	2,077,182	2,397,887	1,960,104	(41,902)	50,134,332	7,212,133	1,377,816	119,308	(75,782)	3,995,462	4,399,397
Citizens Utility Company	6,573,835	3,582,167	405,337	552,784	855,057	152,514	5,547,859	1,025,976	–	4,434	–	2,508	1,019,034
Vermont Marble Company	1,139,720	1,071,815	54,176	98,309	–	–	1,224,300	(84,580)	–	–	–	–	(84,580)
Allied Power & Light Company	1,060,623	959,987	30,565	36,314	8,352	3,491	1,038,709	21,914	25,830	2,742	–	2,531	42,471
Rochester Electric Light & Power Co.	354,620	299,584	13,697	14,158	7,002	2,588	337,029	17,591	17,375	3,542	–	–	31,424
Franklin Electric Light Co.	312,985	260,120	14,478	12,799	741	1,893	290,031	22,954	–	–	–	184	22,770
Total	$155,729,661	$119,279,169	$ 6,195,702	$ 7,289,180	$ 5,869,075	$(384,811)	$138,248,315	$ 17,481,346	$ 7,043,239	$ 339,687	$ (467,811)	$ 9,384,350	$14,332,737
Municipal Utilities													
Burlington, City of	$ 16,403,069	$ 14,695,937	$ 664,520	$ 767,284	–	–	$ 16,127,741	$ 275,328	$ 137,188	–	–	$ 160,722	$ 251,794
Morrisville, Village of	1,662,092	1,569,847	126,937	69,038	–	–	1,765,822	(103,730)	16,705	–	–	63,243	(150,268)
Lyndonville, Village of	1,693,090	1,682,423	171,441	61,262	–	–	1,915,126	(222,036)	46,752	–	–	126,378	(301,662)
Swanton, Village of	1,759,348	1,644,428	80,043	63,860	–	–	1,788,331	(28,983)	–	–	–	87,987	(116,970)
Hardwick, Village of	1,211,870	1,085,835	75,373	67,281	–	–	1,228,489	(16,619)	–	–	–	23,731	(40,350)
Stowe, Village of	2,110,540	2,281,201	53,603	21,362	–	–	2,356,166	(245,626)	15,708	–	–	11,503	(241,421)
Ludlow, Village of	1,380,033	1,352,557	48,598	23,309	–	–	1,424,464	(44,431)	2,936	–	–	15,628	(57,123)
Northfield, Village of	1,036,781	1,058,492	35,992	34,017	–	–	1,128,501	(91,720)	36,461	–	–	33,994	(89,253)
Barton Village, Inc.	550,089	511,334	25,140	22,997	–	–	559,471	(9,382)	7,895	–	–	8,974	(10,461)
Enosburg Falls, Village of	477,139	464,574	36,998	16,560	–	–	518,132	(40,993)	14,323	–	–	11,207	(37,877)
Hyde Park, Village of	300,671	286,993	18,420	9,651	–	–	315,064	(14,393)	4,537	–	–	4,188	(14,044)
Johnson, Village of	601,500	627,258	12,337	6,839	–	–	646,434	(44,934)	6,981	–	–	1,239	(39,192)
Jacksonville, Village of	181,635	168,431	11,762	7,430	–	–	187,623	(5,988)	–	–	–	–	(5,988)
Orleans, Village of	593,697	689,265	9,646	6,776	–	–	705,687	(111,990)	–	–	–	–	(111,990)
Readsboro, Village of	94,118	95,911	–	–		–	95,911	(1,793)	–	–	–	–	(1,793)
Total	$ 30,055,672	$ 28,214,486	$ 1,370,810	$ 1,177,666	–	–	$ 30,762,962	$ (707,290)	$ 289,486	–	–	$ 548,794	$ (966,598)
Cooperative Utilities													
Vermont Electric Cooperative, Inc.	$ 5,508,867	$ 4,719,360	$ 523,071	$ 206,642	–	–	$ 5,449,073	$ 59,794	$ 145,517	$ 17,747	$ 12,150	$ 445,986	$ (246,272)
Washington Electric Cooperative, Inc.	3,215,475	2,587,432	269,381	141,024	–	–	2,997,837	217,638	62,553	14,861	–	303,160	(37,830)
Total	$ 8,724,342	$ 7,306,792	$ 792,452	$ 347,666	–	–	$ 8,446,910	$ 277,432	$ 208,070	$ 32,608	$ 12,150	$ 749,146	$ (284,102)
Combined Totals	$194,509,675	$154,800,447	$ 8,358,964	$ 8,814,512	$ 5,869,075	$ (384,811)	$177,458,187	$17,051,488	$ 7,540,795	$ 372,295	(455,661)	$10,682,290	$13,082,037
Vermont Yankee Nuclear Power Corp.	$ 78,339,803	$ 44,201,785	$ 8,629,219	$ 4,227,031	$ 5,649,505	$ 646,495	$ 63,354,035	$14,985,768	$ 178,467	$ 24,370	$ 82,000	$ 7,888,462	$ 7,169,403
Vermont Electric Power Co., Inc.	106,422,706	98,840,760	1,557,667	1,579,690	199,050	89,046	102,266,213	4,156,493	359,494	–	–	4,113,987	402,000

VERMONT ELECTRIC UTILITIES – CONDENSED OPERATING STATEMENT
FOR THE YEAR ENDED DECEMBER 31, 1981

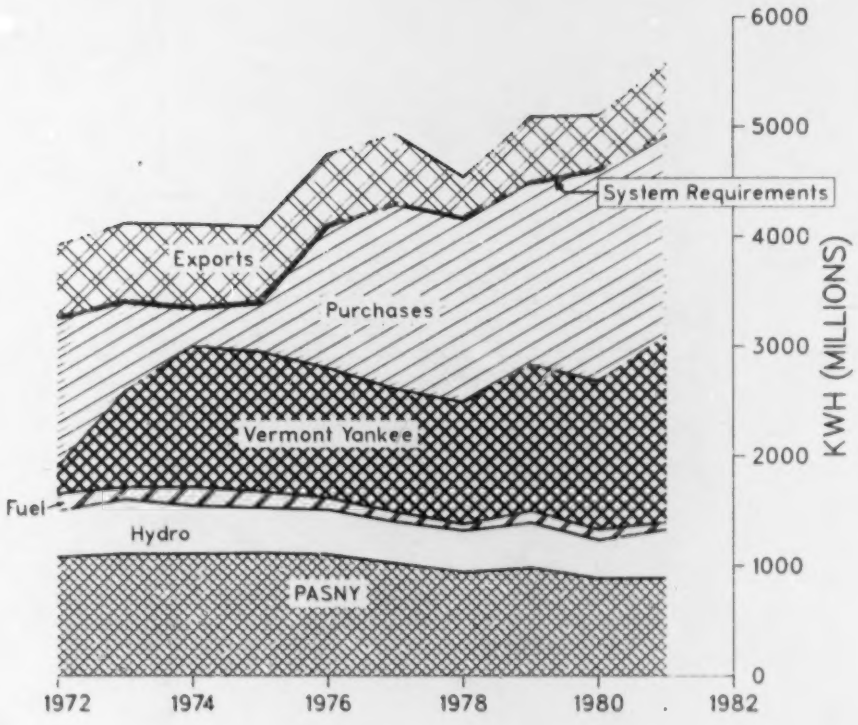
	Operating Revenues	Operations and Maintenance Expenses	Other Depreciation and Amortization Expense	Taxes Other Than Income Taxes	Federal Income Tax	Vermont Tax Other States	Total Operating Expense	Net Utility Operating Income	Other Income	Other Income Deductions	Extraordinary Income Items and Taxes	Interest Charges	Net Income
Private Utilities													
Central Vermont Public Serv. Corp.	$115,155,033	$ 85,782,220	$ 3,921,540	$ 4,583,906	$ 7,190,346	$ (15,771)	$101,462,241	$13,692,792	$ 7,165,090	$ 121,937	$ (833,165)	$ 6,037,493	$13,865,287
Green Mountain Power Corp.	67,926,767	52,112,524	2,301,751	3,789,256	529,112	41,343	58,773,986	9,152,781	1,460,666	97,620	(43,605)	6,192,405	4,279,817
Citizens Utility Company	7,620,523	5,039,821	431,006	595,204	646,770	116,586	6,829,387	791,136	–	4,734	–	2,832	783,570
Vermont Marble Company	1,437,240	1,587,475	70,786	120,763	–	–	1,779,024	(341,784)	–	–	–	–	(341,784)
Allied Power & Light Company	1,270,455	1,163,657	33,940	39,123	5,386	–	1,242,106	28,349	30,027	3,311	–	253	54,812
Rochester Electric Light & Power Co.	378,142	326,046	13,106	13,398	2,478	2,250	357,278	20,864	13,853	3,542	–	55	31,120
Franklin Electric Light Co.	350,284	277,707	16,821	13,390	1,310	–	309,228	41,056	–	–	–	81	40,975
Total	$194,138,444	$146,289,450	$ 6,788,950	$ 9,155,040	$ 8,375,402	$ 144,408	$170,753,250	$23,385,194	$ 8,669,636	$ 231,144	$ (876,770)	$12,233,119	$18,713,797
Municipal Utilities													
Burlington, City of *	$ 18,585,773	$ 16,485,110	$ 787,120	$ 1,020,723	–	–	$ 18,292,953	$ 292,820	$ 466,488	–	–	$ 1,155,936	$ (396,628)
Morrisville, Village of	1,985,702	1,751,624	131,114	97,555	–	–	1,980,293	5,409	77,350	–	–	80,200	2,559
Lyndonville, Village of	2,188,011	1,732,468	175,034	68,825	–	–	1,976,327	211,684	76,895	–	–	195,718	92,861
Swanton, Village of	1,879,484	1,448,452	175,437	77,357	–	–	1,701,246	178,238	–	–	$ 20,000	70,392	127,846
Hardwick, Village of	1,341,714	1,162,672	53,201	71,776	$ 5,328	–	1,292,977	48,737	–	–	–	43,911	4,826
Stowe, Village of	2,066,167	1,974,508	59,722	23,982	–	–	2,058,212	7,955	16,858	–	–	25,304	(491)
Ludlow, Village of	1,344,435	1,194,907	50,818	24,412	–	–	1,270,137	74,298	5,042	–	–	18,258	61,082
Northfield, Village of	1,082,596	1,099,628	39,376	35,715	–	–	1,174,719	(92,123)	40,941	–	–	48,760	(99,942)
Barton, Village of, Inc.	628,581	670,914	32,300	24,012	2,789	–	730,015	(101,434)	8,206	–	–	12,375	(105,603)
Enosburg Falls, Village of	618,376	483,693	39,816	17,752	–	–	541,261	77,115	13,345	–	–	25,439	65,021
Hyde Park, Village of	362,906	388,073	24,148	11,697	–	–	423,918	(61,012)	2,604	–	–	18,872	(77,280)
Johnson, Village of **	612,209	643,911	11,466	5,768	–	–	661,145	(48,936)	4,725	$ 6,132	–	1,102	(51,445)
Jacksonville, Village of	201,411	200,222	12,784	9,149	–	–	222,155	(20,744)	1,315	–	–	975	(20,404)
Orleans, Village of	687,596	686,773	10,072	21,817	–	–	718,662	(31,066)	–	–	–	–	(31,066)
Readsboro, Village of	74,629	72,421	–	982	5,391	–	78,794	(4,165)	–	–	–	821	(4,986)
Total	$ 33,659,590	$ 29,995,376	$ 1,602,408	$ 1,511,522	$ 13,508	–	$ 33,122,814	$ 536,776	$ 713,769	$ 6,132	$ 20,000	$ 1,698,063	$ (433,650)
Cooperative Utilities													
Vermont Electric Cooperative, Inc.	$ 7,033,929	$ 5,544,836	$ 548,254	$ 237,244	–	–	$ 6,330,334	$ 703,595	$ 137,490	$ 16,923	$ 14,002	$ 551,196	$ 286,968
Washington Electric Cooperative, Inc.	3,384,376	2,570,934	285,028	149,962	–	–	3,005,924	378,452	60,392	3,728	–	309,324	125,792
Total	$ 10,418,305	$ 8,115,770	$ 833,282	$ 387,206	–	–	$ 9,336,258	$ 1,082,047	$ 197,882	$ 20,651	$ 14,002	$ 860,520	$ 412,760
Combined Totals	$238,216,339	$184,400,596	$ 9,224,640	$11,053,768	$ 8,388,910	$ 144,408	$213,212,322	$25,004,017	$ 9,581,287	$ 257,927	$ (842,768)	$14,791,702	$18,692,907
Vermont Yankee Nuclear Power Corp.	$ 88,170,620	$ 52,966,971	$ 9,322,873	$ 4,279,162	$ 4,287,566	$ 896,900	$ 71,753,472	$16,417,148	$ 41,000	$ (43,881)	–	$ 9,318,570	$ 7,095,697
Vermont Electric Power Co., Inc.	107,655,416	99,890,624	1,687,167	1,610,444	181,869	94,952	103,465,056	4,190,360	406,912	496	–	4,195,768	402,000
	$195,826,036	$152,857,595	$ 11,010,040	$ 5,889,606	$ 4,469,435	$ 991,852	$175,218,528	$20,607,508	$ 447,912	$ (43,385)	–	$13,514,338	$ 7,497,697

*A/O 6/30/82
**A/O 1/31/82

PASNY POWER
STATEMENT OF INCOME AND DISBURSEMENTS
Fiscal Years Ended June 30, 1981 and 1982

	1981	1982
INCOME:		
Billings to Allottees—Power & Energy, 7/1 to 6/30	$ 7,285,669.50	$ 7,286,827.20
DISBURSEMENTS:		
Purchases		
Demand	$ 1,821,372.00	$ 1,821,372.00
Energy	2,409,533.93	2,436,369.66
Transmission to State Line	992,856.24	992,856.24
Intrastate Transmission—VELCO	2,061,907.33	2,036,229.30
Total Disbursements	$ 7,285,669.50	$ 7,286,827.20
Net Income	$ None	$ None

YEARLY TOTAL DISTRIBUTION OF ELECTRICAL ENERGY IN VERMONT



GAS UTILITIES

Propane-Air Gas:
The propane-air gas companies in the State have undergone and are undergoing a drastic change in their operations. One system has been shut down and another system has been destroyed by an unexplained explosion while two others are petitioning the Public Service Board for abandonment.

Capital City Gas Company—Montpelier: For the past several years, Capital City Gas had been under pressure by the Public Service Board to begin to renew its system and bring it into compliance with the Federal Regulations CFR, Title 49, Parts 191 and 192 and General Order 59.63 of the Public Service Board. The Company was unable to meet these requirements and in addition was very lax in its response to customer complaints and repairing leaks; therefore, the Public Service Board, with the concurrence of the Public Service Department in Docket No. 4568, (July 30, 1981) permitted Capital City Gas Company to sell its customer list to Adirondack Bottle Gas Corporation and abandon its underground system. The purging and abandonment of the underground lines proceeded without incident, being complete by October 5, 1981.

Capital City Gas Company had been on the decline with the number of customers dropping to 580 just before abandonment.

Gas Company of Vermont—St. Johnsbury: On Sunday, July 26, 1981, at 12:44 AM, an explosion destroyed the gas mixing plant at South Main Street, St. Johnsbury. This explosion which occurred without prior warning has been termed "suspicious" and is still under investigation by the fire marshall's office of the Vermont State Police. There were no injuries or fatalities in this explosion and gas was returned to the system about 9 AM the same day.

Because of this destruction of the main mixing plant, the owners of the company decided not to repair the plant and petitioned to abandon this system. Permission was given to abandon its underground system at a hearing before the Public Service Board, Docket No. 4604, (November 6, 1981). Adirondack Bottle Gas Corporation again bought the customer list of the gas company and converted the customers to *bottled gas.*

The purging of the underground gas lines was completed without incident on February 2, 1982.

Gas Company of Vermont—Springfield: For the past several bienniums, the number of gas customers for Springfield has been on the decline. Coupled with the fact that the company has not upgraded and replaced its gas mains and service lines, the state of deterioration has been increasing. A report issued in June, 1982 by Smith and Norrington, Consulting Engineers of Boston, Mass., has indicated that as much as 70% of its lines will need replacing. Based on this report, the gas company is preparing a petition for the Public Service Board to abandon its system.

Gas Company of Vermont – Barre: Toward the end of this biennium, a report was filed by Smith and Norrington, Consulting Engineers, Boston, Mass., for the Gas Company of Vermont, Barre, indicating some problem areas for the company, but not in the category of the Springfield company. As the biennium ended, nothing had been decided by the management of the company as to its future.

Vermont Gas Corporation – Bennington: There have been no major construction or capital improvements for this company during the past biennium; however, as in past years the company has been upgrading its system, enabling the company to maintain a low unaccounted for gas percentage. No decision has been made by management as to the future of this company.

Rutland Gas Utility Corporation – Rutland: During the past biennium, this gas company has decreased in its ability to serve the public safely. A request for the Department of Public Service before the Public Service Board was filed on February 2, 1982 to cite Rutland Gas Utility Corporation for failure to adequately maintain its main gas plant, keep the necessary records, service valves, service and inspect pressure regulators, maintain building security, and take care promptly and correctly of a gas leak in a private home. A hearing was held on March 4, 1982 on the Department's petition and a decision is expected early in the next biennium.

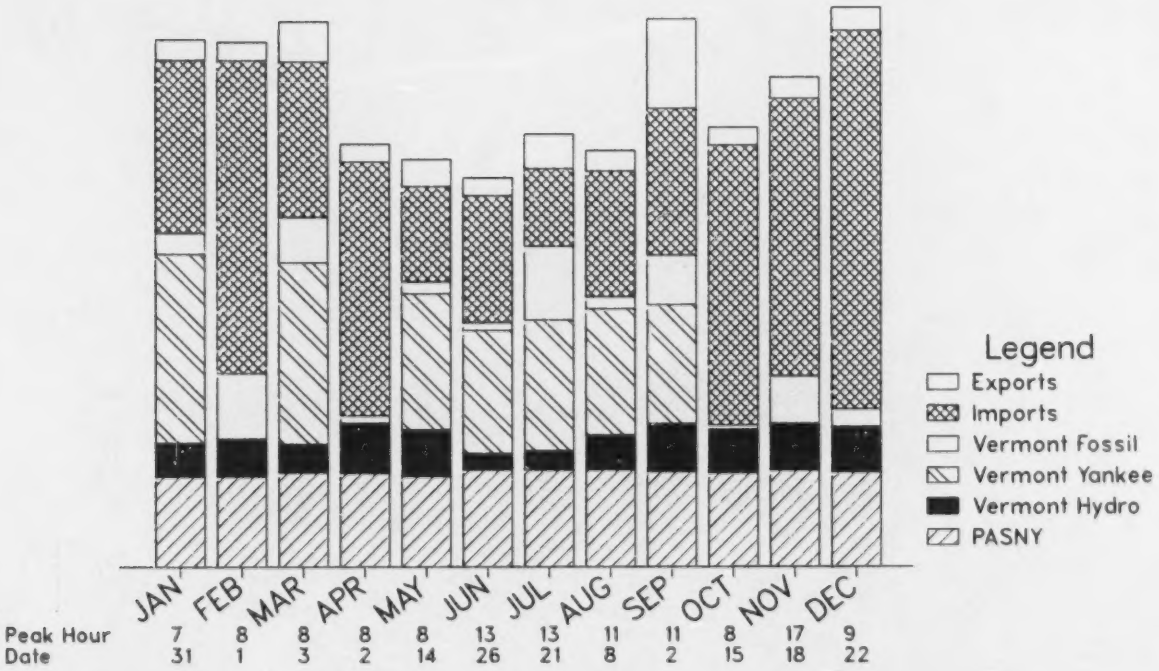
VERMONT ELECTRIC UTILITIES – CONDENSED BALANCE SHEET
FOR THE YEAR ENDED DECEMBER 31, 1980

	Total Utility Plant	Less: Depreciation and Amortization	Net Utility Plant	Other Property and Investments	Current and Accrued Assets	Deferred Debits	Total Assets and Other Debits	Proprietary Capital	Long-Term Debt	Current and Accrued Liabilities	Deferred Credits and Operating Reserves	Aid to Const. & Deferred Income Tax	Total Liabilities and Other Credits
Private Utilities													
Central Vermont Public Serv. Corp.	$167,678,104	$ 32,412,821	$135,265,283	$31,748,492	$29,705,751	$ 14,162,322	$210,881,848	$93,673,212	$ 75,760,000	$28,051,421	$13,397,215	–	$210,881,848
Green Mountain Power Corp.	75,067,196	17,687,651	57,379,545	13,922,183	21,432,571	8,846,278,	101,580,577	31,994,739	36,633,000	29,892,724	3,060,114	–	101,580,577
Citizens Utility Company	12,910,383	5,326,730	7,583,653	–	905,819	55,627	8,545,099	7,671,794	–	872,445	860	–	8,545,099
Vermont Marble Company	2,977,215	1,253,753	1,723,462	–	249,869	150,548	2,123,879	2,123,879	–	–	–	–	2,123,879
Allied Power & Light Company	888,208	578,802	309,406	–	425,485	5,881	740,772	491,523	–	236,874	12,375	–	740,772
Rochester Electric Light & Power Co.	480,643	157,361	323,282	–	197,478	1,352	522,112	378,129	–	62,756	–	$ 81,227	522,112
Franklin Electric Light Co.	421,002	175,577	245,425	–	43,869	–	289,294	239,739	–	49,555	–	–	289,294
Total	$260,422,751	$ 57,592,695	$202,830,056	$45,670,675	$52,960,842	$ 23,222,008	$324,683,581	$136,573,015	$112,393,000	$59,165,775	$16,470,564	$ 81,227	$324,683,581
Municipal Utilities													
Burlington, City of	$ 30,751,790	$ 10,850,490	$ 19,901,300	$ 1,843,309	$ 9,082,559	$ 194,280	$ 31,021,448	$ 9,753,683	$ 16,291,250	$ 4,963,229	$ 13,286	–	$ 31,021,448
Morrisville, Village of	4,438,021	1,831,666	2,606,355	15,800	492,629	91,827	3,206,611	1,555,158	1,074,250	577,203	–	–	3,206,611
Lyndonville, Village of	6,314,157	1,984,834	4,329,323	384,991	544,425	13,288	5,272,027	1,817,182	2,810,000	644,609	236	–	5,272,027
Swanton, Village of	2,673,706	1,347,146	1,326,560	453,006	278,435	–	2,058,001	226,468	165,000	1,666,533	–	–	2,058,001
Hardwick, Village of	2,706,384	1,519,491	1,186,893	14,075	252,696	–	1,453,664	812,126	306,000	333,093	2,445	–	1,453,664
Stowe, Village of	1,598,284	721,112	877,172	–	502,558	41,611	1,421,341	796,592	–	624,749	–	–	1,421,341
Ludlow, Village of	1,491,470	790,116	701,354	32,601	276,974	7,465	1,018,394	476,749	185,000	314,453	–	$ 42,192	1,018,394
Northfield, Village of	1,128,300	629,004	499,296	7,904	286,726	18,752	812,678	234,037	390,000	188,641	–	–	812,678
Barton Village, Inc.	1,188,307	841,531	346,776	–	88,277	–	435,053	284,553	150,500	–	–	–	435,053
Enosburg Falls, Village of	1,281,382	821,830	459,552	.	69,708		529,260	286,618	242,642	–	–	–	529,260
Hyde Park, Village of	619,408	242,518	376,890	–	121,857	–	498,747	346,211	–	152,536	–	–	498,747
Johnson, Village of	400,429	189,143	211,286	–	267,867		479,153	266,959	–	212,194	–	–	479,153
Jacksonville, Village of	392,065	166,482	225,583	–	36,016	–	261,599	235,937	12,000	13,662	–	–	261,599
Orleans, Village of	386,548	295,582	90,966	–	115,872	5,462	212,300	5,762	–	206,638	–	–	212,300
Readsboro, Village of						–	–	–	–	–	–	–	
Total	$ 55,370,251	$ 22,230,945	$ 33,139,306	$ 2,751,686	$12,416,599	$ 372,685	$ 48,680,276	$ 17,098,035	$ 21,626,642	$ 9,897,440	$ 15,967	$ 42,192	$ 48,680,276
Cooperative Utilities													
Vermont Electric Cooperative, Inc.	$ 25,826,100	$ 4,963,795	$ 20,862,305	$ 1,049,077	$ 1,435,985	$ 886,474	$ 24,233,841	$ 2,781,404	$ 18,446,813	$ 2,965,189	$ 40,435	–	$ 24,233,841
Washington Electric Cooperative, Inc.	10,258,140	2,274,459	7,983,681	612,587	821,351	91,272	9,508,891	914,301	7,770,428	759,678	64,484	–	9,508,891
Total	$ 36,084,240	$ 7,238,254	$ 28,845,986	$ 1,661,664	$ 2,257,336	$ 977,746	$ 33,742,732	$ 3,695,705	$26,217,241	$ 3,724,867	$ 104,919	–	$ 33,742,732
Combined Totals	$351,877,242	$ 87,061,894	$264,815,348	$50,084,025	$67,634,777	$ 24,572,439	$407,106,589	$157,366,755	$160,236,883	$72,788,082	$16,591,450	$ 123,419	$407,106,589
Vermont Yankee Nuclear Power Corp.	$362,620,924	$160,662,686	$201,958,238	$ 3,465,300	$14,485,622	$ 10,507,206	$230,416,366	$ 76,772,693	$ 81,271,449	$20,112,131	$52,260,093	–	$230,416,366
Vermont Electric Power Co., Inc.	59,680,601	11,771,781	47,908,820	521,167	17,203,776	629,086	66,262,849	5,323,250	44,641,000	16,298,599	–	–	66,262,849

VERMONT ELECTRIC UTILITIES – CONDENSED BALANCE SHEET
FOR THE YEAR ENDED DECEMBER 31, 1981

	Total Utility Plant	Less: Depreciation and Amortization	Net Utility Plant	Other Property and Investments	Current and Accrued Assets	Deferred Debits	Total Assets and Other Debits	Proprietary Capital	Long-Term Debt	Current and Accrued Liabilities	Deferred Credits and Operating Reserves	Aid to Const. & Deferred Income Tax	Total Liabilities and Other Credits
Private Utilities													
Central Vermont Public Serv. Corp.	$179,467,065	$ 35,195,437	$144,271,628	$32,689,062	$ 34,324,092	$ 21,247,224	$232,532,006	$ 99,504,445	$ 88,495,000	$22,141,031	$22,391,530	–	$232,532,006
Green Mountain Power Corp.	80,979,244	19,724,327	61,254,917	14,263,255	23,511,524	11,301,533,	110,331,229	31,296,201	35,603,000	40,434,824	2,997,204	–	110,331,229
Citizens Utility Company	13,868,338	5,588,392	8,279,946	–	1,337,674	44,503	9,662,123	8,308,252	–	1,353,479	392	–	9,662,123
Vermont Marble Company	3,147,425	1,318,677	1,828,748	–	258,503	192,647	2,279,898	2,279,898	–	–	–	–	2,279,898
Allied Power & Light Company	975,439	641,535	333,904	–	451,406	3,921	789,231	526,335	–	250,521	12,375	–	789,231
Rochester Electric Light & Power Co.	513,090	162,268	350,822	–	205,267	676	556,765	397,248	–	60,186	–	$ 99,331	556,765
Franklin Electric Light Co.	421,002	175,577	245,425	–	43,869	–	289,294	239,739	–	49,555	–	–	289,294
Total	$279,371,603	$ 62,806,213	$216,565,390	$46,952,317	$ 60,132,335	$ 32,790,504	$356,440,546	$142,552,118	$124,098,000	$64,289,596	$25,401,501	$ 99,331	$356,440,546
Municipal Utilities													
Burlington, City of	$ 43,879,707	$ 11,296,115	$ 32,583,592	$ 1,843,209	$ 58,650,595	$ 1,694,926	$ 94,772,322	$ 9,079,451	$ 77,514,062	$ 8,178,809	–	–	$ 94,772,322
Morrisville, Village of	5,227,370	1,958,460	3,268,910	2,855,279	560,327	59,813	6,744,329	1,684,973	4,080,000	979,356	–	–	6,744,329
Lyndonville, Village of	6,240,569	2,108,994	4,131,575	860,170	638,411	102,444	5,732,600	2,226,433	2,860,000	646,167	–	–	5,732,600
Swanton, Village of	2,758,610	1,390,640	1,367,970	411,093	766,734	20,000	2,565,797	360,881	150,000	2,054,916	–	–	2,565,797
Hardwick, Village of	2,863,144	1,511,326	1,351,818	14,074	349.005	29,000	1,743,897	882,137	272,000	584,360	$ 5,400	–	1,743,897
Stowe, Village of	1,690,185	794,379	895,806	–	658,069	13,209	1,567,084	796,116	–	755,499	15,469	–	1,567,084
Ludlow, Village of	1,518,742	840,933	677,809	21,603	279,281	2,365	981.058	537,832	170,000	231,035	–	$ 42,191	981,058
Northfield, Village of	1,163,080	676,650	486,430	7,904	263,722	9,663	767,719	122,563	360,000	285,155	–	–	767,719
Barton, Village of, Inc.	1,320,761	873,831	446,930	–	70,902	–	517,832	178,950	–	338,852	29	–	517,832
Enosburg Falls, Village of	1,407,498	861,646	545,852	–	87,633	–	633,485	351,640	–	281,845	–	–	633,485
Hyde Park, Village of	681,459	272,598	408,861	–	186,160	2,136	597,157	268,931	–	327,726	500	–	597,157
Johnson, Village of	406,227	200,198	206,029	–	176,724	–	382,753	215,515	–	167,238	–	–	382,753
Jacksonville, Village of	426,127	179,265	246,862	–	35,540	–	282,402	216,509	–	65,893	–	–	282,402
Orleans, Village of	427,659	305,654	122,005	–	136,294	2,731	261,030	(25,309)	–	286,339	–	–	261,030
Readsboro, Village of													
Total	$ 70,011,138	$ 23,270,689	$ 46,740,449	$ 6,013,332	$ 62,859,397	$ 1,936,287	$117,549,465	$ 16,896,622	$ 85,406,062	$15,183,192	$ 21,398	$ 42,191	$117,549,465
Cooperative Utilities													
Vermont Electric Cooperative, Inc.	$ 59,680,601	$ 11,771,781	$ 47,908,820	$ 521,167	$ 17,203,776	$ 629,086	$ 66,262,849	$ 5,323,250	$ 44,641,000	$15,298,599	$ –	$ –	$ 62,262,849
Washington Electric Cooperative, Inc.	10,804,885	2,504,200	8,300,685	627,298	968,828	202,817	10,099,628	191,344	7,967,491	910,668	$ 53,747	$ 976,378	10,099,628
Total	$ 70,485,486	$ 14,275,981	$ 56,209,505	$ 1,148,465	$ 18,172,604	$ 831,903	$ 76,362,477	$ 5,514,594	$ 52,608,491	$16,209,267	$ 53,747	$ 976,378	$ 76,362,477
Combined Totals	$419,868,227	$100,352,883	$319,515,344	$54,114,114	$141,164,336	$ 35,558,694	$550,352,488	$164,963,334	$262,112,553	$96,682,055	$25,476,646	$ 1,117,900	$550,352,488
Vermont Yankee Nuclear Power Corp.	$391,398,431	$191,658,372	$199,740,059	$ 4,323,400	$ 17,627,015	$ 25,341,178	$247,031,652	$ 76,026,099	$ 88,849,311	$16,388,976	$65,767,266	–	$247,031,652
Vermont Electric Power Co., Inc.	62,381.020	13,382,756	48,998,264	1,160,046	12,698,949	292,625	63,149,884	5,323.250	42,995,000	14,754,130	77,504	–	63,149,884

VERMONT MONTHLY PEAK HOUR LOADS, 1980
(MEGAWATTS)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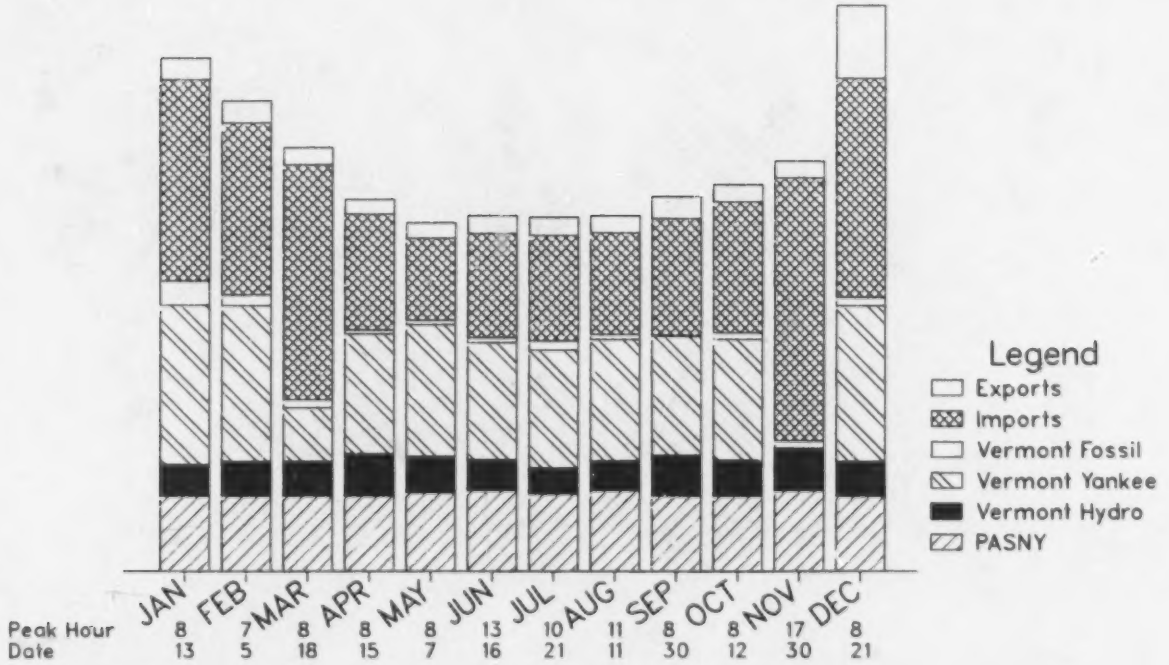
VERMONT MONTHLY PEAK HOUR LOADS, 1981
(MEGAWATTS)



VERMONT GAS UTILITIES
COMPARATIVE STATEMENT OF NET PLANT INVESTMENT

Utility and Location	1981	1980	1979	1978	1977
Capital City Gas Company Montpelier, VT	$(abandoned)	$ 41,155	$ 43,395	$ 44,769	$ 47,282
Gas Company of Vermont, Barre, St. Johnsbury, and Springfield, VT.	$ 93,636	$ 211,129	$ 216,584	$ 225,079	$ 242,840
Rutland Gas Utility Rutland, VT	$ 205,832	$ 229,090	$ 245,229	$ 266,396	$ 295,393
Vermont Gas Corp. Bennington, VT	$ 172,334	$ 178,581	$ 133,299	$ 139,793	$ 145,321
Vermont Gas Systems, Inc. Burlington, Colchester, Essex Junction, St. Albans, Sheldon Springs, Swanton, So. Burlington, and Winooski	$10,853,224	$10,327,769	$9,669,882	$9,198,695	$9,052,427

CATV

As mentioned in the 1978 biennial report, EMCO CATV, Inc. petitioned the Public Service Board (PSB) regarding the reasonableness of the pole rental charges required by both New England Telephone and Telegraph Company (NET) and Central Vermont Public Service Corporation (CVPS). On May 10, 1978, the Board issued its Final Order in this case.

The order directed both CVPS and NET to file for Board approval or rejection any existing and future agreements between or among themselves and EMCO CATV, Inc. concerning pole attachments and/or the rates charged for pole attachments pursuant to the provisions of 30 V.S.A., Section 229. An alternative was allowed by the Order; the utilities could file rules, regulations and rate schedules to govern rates charged for use of utility poles by cable television companies. Neither NET nor CVPS complied with the Order.

On April 20, 1981, three years after Board issuance of the Order, EMCO CATV, Inc. petitioned the Board, requesting relief against CVPS, NET and the Village of Stowe Electric Department with respect to the use of utility poles and rates to be charged for such use. EMCO proposed that since NET and CVPS had never complied with the Board's Order in Docket No. 3964, the Board should adopt the Federal Communications Commission's Pole Rental Formula. The last day of public testimony was held in June, eight days prior to the closing of this biennium. An Order is expected soon.

During the 1976–1978 biennial period, EMCO CATV, Inc. filed for Certificates of Public Good to build CATV systems in seven areas which had no CATV service. Five (Putney, Johnson, East Middlebury, Morrisville and Hyde Park) received service in the 1976–1978 or 1978–1980 biennial period. Two, Forestdale and Stowe did not.

No construction had begun in Forestdale by March 17, 1981, 37 months after EMCO was granted its certificate. Forestdale Cable TV filed for a Certificate of Public Good for the same service area. EMCO was given notice of the hearing, but did not make a formal appearance. On October 28, 1982, Forestdale Cable TV was granted a certificate and is now operating in the community.

On May 25, 1981, four years after issuance of EMCO's Stowe Certificate, no system was operating nor had construction commenced. The Board demanded cause be shown as to why EMCO's Certificate should not be revoked. After hearing, EMCO was given until July 15, 1982 (a period of one year) to construct and commence operating a CATV System in Stowe. By May of 1982, construction had not yet begun. The Board held another hearing, and on August 19, 1982, revoked EMCO's Stowe Certificate.

During the biennium, Certificates were requested for CATV service for:

(1) Docket No. 4491: Village of Bartonsville; filed June 2, 1980 by Young's Community TeleSystems Corporation; granted May 1, 1981; service not begun on July 1, 1982.

(2) Docket No. 4493: Village of Enosburg Falls and Richford and parts of Towns; filed by North Country Cablevision, Inc. August 7, 1980; granted December 8, 1980; both communities are now receiving CATV service.

(3) Docket No. 4500: Village of North Hyde Park and contiguous parts of Johnson; filed by EMCO CATV, Inc. on July 9, 1980; granted on April 8, 1981; CATV service has begun.

(4) Docket No. 4520: Shelburne; filed by Television Corporation (DBA Green Mountain Television) on October 6, 1980.

(5) Docket No. 4530: Wells; filed by EMCO CATV, Inc. on January 30, 1981; granted on June 2, 1981; CATV Service has begun.

(6) Docket No. 4569: Shelburne and Vergennes; filed by G. O. Enterprises and Small Cities Cable TV, Inc. on March 16, 1981; granted August 13, 1982 to Small Cities; appealed its Supreme Court pending. (Supreme Court ruled in favor of Small Cities in the next biennial period).

(7) Docket No. 4586: West Dover; filed by Dover Cable Company and Area Telecable Corporation on June 1, 1981; granted to Area Telecable on July 10, 1982; service not yet begun as of July 1, 1982, but under construction.

(8) Docket No. 4589: Waitsfield, Warren, Fayston, etc.; filed by Mountain Cable TV Corporation and Waitsfield-Fayston Telephone Company on August 4, 1981; granted to Waitsfield Fayston on May 3, 1982. Service not yet begun as of July 1, 1982, but construction started.

(9) Docket No. 4570: Village of Stowe and contiguous parts of Stowe Town; filed by Stowe Communication Company on May 8, 1981; Stowe Cablevision, Inc. on June 9, 1981 by MSH Communications and Telenational Communications Service on October 15, 1982. Hearings will be conducted in the next biennial period.

There were three cases filed in connection with sales of CATV Companies:

1. G. O. Enterprises to United Cable Company of New Hampshire. (Docket No. 4487)

   G. O. Enterprises, Inc. and United Cable Company of New Hampshire, Inc. on July 16, 1980, petitioned the Board, for G. O. Enterprises to sell and United to buy. On September 8, 1980 the request was granted by the Board.

2. Twin State Cable TV to TCI-Taft Cable Associates (Docket No. 4598).

   Twin State Cable TV, Inc. and TCI-Taft Cablevision Associates, on August 31, 1981, petitioned the Board for Twin State to sell and TCI to buy. On January 29, 1982, the request was granted by the Board.

3. Derry Cable TV to Young's Community Television Corporation (Docket No. 4633).

   Derry Cable Company, Inc. and B.S., R.C., F.G. & R.P. Young, on September 21, 1981, petitioned the Board, for Derry to sell and the Young's to buy. On April 7, 1982, the request was granted by the Board.

   None of these sales involved any immediate or planned changes in rates or services.

There were seven General Rate Increase cases initiated:

1. Docket No. 4488—Area Telecable Corporation.

   On July 29, 1980, Area Telecable Corporation filed for a rate increase, effective September 1, 1980. Area Telecable requested an increase from $6.00 to $9.00 per month. After public hearings, on November 20, 1980, the Board granted the requested increase.

2. Docket No. 4489, Young's Community Television Corporation.

   On July 29, 1980, Young's filed for a rate increase effective September 1, 1980. Young's requested an increase from $6.40 to $6.95 per month. After public hearings, this request was denied. Young's appealed to its Vermont Supreme Court and the Board's order was upheld.

3. Docket No. 4508: Salt Ash Images.

   On November 28, 1980, Salt Ash Images filed for a rate increase, effective December 28, 1980. Salt Ash requested an increase from $6.25 to $7.00 per month. After public hearing, the Board granted the requested increase.

4. Docket No. 4612: Windsor Community Antenna Corporation.

   On October 1, 1981; Windsor Community Antenna Corporation filed for an increase in its monthly rates from $5.95 to $8.50, effective November 19, 1981.

   After public hearings the Board, on September 20, 1982 (just a few months into the next biennial period) granted an increase in monthly rates, from $5.95 to $8.32, for the first outlet and from $1.00 to $2.00 for additional outlets. Also, since this was one of the last cases before the Board in which recoupment will be allowed, a $2.00 per subscriber per month surcharge was granted, until $25,107 is recovered (about 12 months). This increase was granted under numerous conditions, the key ones of which are:

   - The System shall be completely rebuilt, increasing channel capacity from 12 to at least 30;
   - Rebuilding to be completed within one year (November 30, 1983);
   - 20 channels on basic service, after rebuilding;
   - Strand maps prepared by the end of 1983;
   - A Signal Leakage Detector will be permanently installed.

5. Docket No. 4617: Young's Community Television Corporation.

   On October 16, 1981, Young's Community Television Corporation filed for an increase in monthly rates from $6.40 to $8.25, effective December 1, 1981.

   After public hearing, the Board, on October 1, 1982 granted an increase in monthly rates from $6.40 to $7.95 for the first outlet, with $1.30 per month per subscriber recoupment surcharge for approximately 12 months. This increase was granted on the condition that:

   - The amplifiers on the Springfield to Chester line would be upgraded;
   - Numerous Service Standards would be met.

6. Docket No. 4653: Charlemont TV, Inc.

   February 1, 1982, Charlemont TV, Inc. filed for an increase in monthly rates, from $7.00 to $11.50, effective March 18, 1982.

   This case will go to hearing and resolution in the next biennial period.

7. Docket No. 4694: Vermont Television Corporation.

   On June 14, 1982, the Vermont Television Corporation filed for an increase in monthly rates from $6.55 to $8.41, effective August 1, 1982.

   This case will go to hearing and resolution in the next biennial period.

There were three General Rate Increase cases initiated last Biennial Period which were carried over in this Biennial Period:

1. Docket No. 4389: Olsen's TV. On May 29, 1979, Olsen's TV filed for an increase in monthly rates from $6.00 to $8.00. A public hearing was held on October 5, 1979, and the Hearing Examiner submitted Findings and Proposed Order on November 29, 1979. Olsen filed comments on the proposal January 9, 1980. Board action on the proposed order is pending.

2. Docket No. 4481: Michael A. Woychosky, d/b/a Proctorsville & Cavendish TV Cable.

   On June 23, 1980, Michael A. Woychosky filed for an increase in monthly rates from $6.25 to $7.00, effective August 1, 1980.

   Due to the lack of supporting data and the sale of the system to Salt Ash Images, this case was dismissed.

3. Docket No. 4483: Colebrook Cable TV, Inc.

   On June 4, 1980, Colebrook Cable TV, Inc. filed for an increase in monthly rates from $6.00 to $7.00, effective July 15, 1980.

   After public hearing this increase was granted on February 26, 1981.

TELEPHONE

The drive toward competition in telephone services has intensified during this biennial period. The Department of Justice Anti-Trust suit against AT&T and the Bell Operating Companies (BOC's) such as NET, was settled in principle, by the divestiture of the BOC's by AT&T. One of the results of divestiture is that all existing terminal equipment and the phonecenter stores, along with many of the employees will be transferred to AT&T.

Under the Federal Communications Commission's decision in Docket #20828, NET will be able to sell or rent in 1983 only those telephones which are in inventory on January 1, 1983. After January 1, 1984, neither AT&T, NET, nor any other supplier of telephone equipment will do so under regulation. Thus, telephone companies will operate as do power companies; the telephone company will not dictate what phones will be used, nor where they will be purchased, just as power companies do not dictate similarly in regard to appliances.

Two other major developments are occurring on the national level, which can have a dramatic effect on basic local service rates. Both ultimately will be resolved by the Federal Communications Commission. The first deals with how much of the costs of the local network, telephones, house wiring, house drop, wire from the house to the telephone company central office, and central office switching machine, should be allocated, or passed on to the Interstate and Vermont Toll users. The second deals with how the expenses just allocated will be paid (flat charge, usage, or some combination) and by whom. Estimates of these costs and their effect on the local ratepayers vary to such numbers as 100 to 200% increases in our Vermont Basic Local Service Rates. The Department and Board are working to eliminate or minimize increases in Basic Local Services Rates.

Two telephone issues raised in earlier biennial periods were resolved in this biennium as a result of appeals to and remands from the Vermont Supreme Court. As a result, the 20 cent pay telephone charge was lowered to 10 cents and directory assistance charges were continued while the free allowance was increased from three to five calls.

The Vermont telephone industry agreed with the Department's suggestion to eliminate the practice existing in certain towns under which customers who made telephone calls which both originated and terminated within the same town, sometimes incurred "toll" charges. Thus all telephone companies (except Topsham) in October of 1979, instituted "Municipal Calling Service" (MCS) eliminating Intra-Town toll calls.

In the 1978–1980 biennial period, some 43 pockets were discovered in which MCS was not instituted, a condition which was to be changed by December of 1980.

On February 10, 1981, residents of the Town of Newbury filed for a public hearing (Docket #4578) regarding the functioning of MCS in Newbury. After hearing, an order was issued requiring New England and Continental Telephone Companies to provide at least annually a bill

stuffer explaining MCS, its availability, and the Companies' responsibility to correct errors in MCS charges.

An issue which arose in the 1974–1976 biennium was Extended Area Service (EAS), the ability of telephone subscribers in one exchange to call subscribers in other exchanges without incurring toll charges. One alternative to EAS was Selective Calling Service (SCS), which gave customers the option of paying a small entry fee, per exchange, in return for a discount in all toll calls to those exchanges, if made during qualifying periods of the day. After some experimentation, SCS was made permanent with fees in the 85¢ to $1.80 range, for a 50% discount. In this biennium, the SCS option was extended to all Vermont subscribers.

Even though SCS satisfies the needs of certain subscribers who had heretofore requested EAS, it did not eliminate the need or desire on the part of other subscribers. Therefore, in the 1976–1978 biennial period, the Board opened an investigation into the entire concept of and possible alternatives to EAS (Docket No. 4195). The final order in that case states:

- During the four years this case has been pending, the upward pressure on basic local service rates has intensified, rates have increased substantially, and the trend is virtually certain to continue.
- The Public Service Board is committed to keeping basic local service rates as low as possible, consistent with the delivery of good service. To impose an additional increase at this time by authorizing the implementation of new EAS routes runs counter to that determination.
- The Independent Telephone Companies have a special financial burden placed on their customers when new EAS routes are added to serve their customers.
- Consideration must also be given to those customers in any exchange who oppose new EAS routes because they would not benefit from the route or could not afford the additional expense. It appears unjust and unreasonable to burden unnecessarily such customers for the benefit of others, especially since there are optional toll calling plans available.
- The introduction of Municipal Calling Service (MCS) has eliminated a major source of EAS petitions. Selective Calling Service (SCS) is now available on a state-wide basis and other usage sensitive pricing schemes as Local Measured Service (LMS) will be made available in the future to aid customers in controlling their telephone bills and designing the calling system best suited to their needs.

The Board's Order in Docket No. 4195, denying additional EAS routes, was later affirmed in Docket No. 4507, a petition by certain residents of the Town of Georgia requesting a change in the boundary between the St. Albans and Milton exchanges of NET. Even though a

poll of those to be affected by the change showed 66% in favor and only 34% opposed, the Board denied the petition, saying:

- a significant number of customers would prefer to remain in the St. Albans Exchange.
- the change would impose increased costs on those who oppose the change;
- an optional toll plan, Selective Calling Service (SCS) is available to those who make frequent calls south towards Burlington Area Exchanges.

In the area of modernization of Vermont's Telecommunications Facilities, by the end of the 1980–1982 Biennial Period, telephone companies had completed or planned the following projects.

1. The Replacement of Step-By-Step and Cross-Bar Electromechanical Central Office Switching Equipment with Stored Program Control Electronic Switching Systems.

- **Completed: New England Telephone Company**

Burlington	October	1978
White River Junction	May	1979
Rutland	May	1980
Essex Junction	December	1980
Chelsea	May	1982
Pittsford	August	1982
Proctor	August	1982
West Rutland	August	1982
Montpelier	September	1982
Reading	December	1982

- **Planned:**

1983

Castleton	South Royalton
Fair Haven	South Strafford
Poultney	Tunbridge

1984

Bethel	Pittsfield
Bradford	Plainfield
Brattleboro	Putney
Brookfield	Rochester
Fairlee	Stratton Mountain
Jacksonville	Williamsville
	Windsor

1985

Bellows Falls	Readsboro
Fairfax	St. Johnsbury
Grand Isle	Shelburne
Jamaica	South Londonderry
Milton	Underhill
Newfane	Wardsboro
	Wilmington

GAS UTILITIES – STATE OF VERMONT
COMPARISON OF DEMAND FOR RESIDENTIAL, COMMERCIAL AND SPACE HEATING USAGE
1980–1981 INCLUSIVE

Year	Utility and Location	Type of Gas	Heat Content Btu/cef	Meters in Service	Annual Production Therms	Metered Sales Therms	Residential Sales Therms	Commercial Sales Therms	Water Heating Sales–Therms	Space Heating Sales Therms
1977	Capital City Gas Co.	Propane-air	85,000	693	360,659	246,839	68,841	49,546	– –	128,452
1978	Montplelier, VT			613	319,810	259,348	87,809	50,846	– –	120,693
1979				620	293,890	240,146	85,386	50,294	– –	104,466
1980				580	362,627	291,565	78,557	121,223	– –	91,785
1981			abandoned				1981			
1977	Gas Company of Vt.	Propane-air	100,000	897	453,620	384,703	14,545	42,613	60,302	267,243
1978	Barre, VT			964	513,611	399,865	14,869	48,961	59,856	276,179
1979				862	416,476	364,217	13,249	47,661	59,467	243,840
1980				849	524,880	361,997	72,113	45,665	– –	244,219
1981				798	494,348	362,943	71,444	26,095	– –	265,404
1977	Gas Company of Vt.	Propane-air	70,000	814	423,610	343,582	14,671	9,471	72,494	246,946
1978	St. Johnsbury, VT			814	425,153	345,824	13,854	10,357	68,208	253,405
1979				754	382,418	309,668	13,531	8,154	64,613	223,370
1980				729	415,426	297,573	12,863	5,392	58,334	220,984
1981				129	336,491	270,040	11,438	3,623	53,122	201,857
1977	Gas Company of Vt.	Propane-air	100,000	649	334,620	221,674	10,241	40,655	64,937	105,841
1978	Springfield, Vt.			638	317,947	216,190	10,059	43,833	59,683	102,615
1979				629	284,816	210,435	10,436	43,152	55,495	101,352
1980				495	323,480	199,550	10,021	40,290	54,235	95,004
1981				465	314,542	192,251	9,454	37,095	49,066	96,633
1977	Rutland Gas Utility	Propane-air	70,000	1,386	815,685	781,399	33,086	320,811	139,908	287,594
1978	Rutland, VT			1,394	784,897	775,272	29,991	333,156	133,517	278,608
1979				1,286	1,191,885	1,059,134	48,421	466,316	187,630	356,767
1980				1,230	929,001	701,747	28,000	303,411	114,170	256,166
1981				1,182	879,242	659,109	23,712	283,327	108,551	243,519
1977	Vermont Gas Corp.	Propane-air	75,000	496	469,303	409,565	11,105	166,322	40,111	192,027
1978	Bennington, VT			488	488,698	458,743	11,983	209,765	37,000	200,595
1979				478	486,107	446,387	9,080	219,680	37,659	179,968
1980				472	625,480	516,396	69,469	198,334	36,087	212,506
1981				480	745,967	618,459	64,379	269,290	34,888	249,902
1977	Vermont Gas Systems, Inc.	Natural	100,000	10,723	4,262,934	4,157,852	1,182,670	721,137	53,639	2,200,406
1978	Burlington, Colchester,			10,884	4,244,081	4,048,621	1,245,082	2,803,539	– –	– –
1979	Essex Junction, St. Albans,			11,158	4,544,650	4,373,474	1,191,162	3,182,312	– –	– –
1980	Sheldon Springs, Swanton,			11,699	4,220,811	3,990,961	1,301,123	2,689,838	– –	– –
1981	So. Burlington, Winooski			12,016	4,589,088	4,381,835	1,289,922	3,091,913	– –	– –

TYPICAL MONTHLY BILLS
RESIDENTIAL GAS SERVICE IN VERMONT
AS OF JUNE 30, 1982

Utility and Location	Type of Gas	BTU's per Cubit Ft.	Code	Minimum Bill	Cubic Ft. (cooking) (water heating) (space heating)	10	10 22	10 22 50	10 22 100	10 22 300	Fuel Adjustment Included
Gas Company of Vt. Barre, Vt.	propane-air	100,000	A	$5.45		$16.34					+ $0.30468
			W	6.11			$34.85				
			C	6.28				$71.68	$111.64	$268.57	
Gas Company of Vt. Springfield, Vt.	propane-air	100,000	A	$5.41		$15.98	$33.39	$69.66	$109.58	$268.56	+ $0.28488
			W	5.98		$10.64					
			C	6.15			$22.17	$45.19	$ 70.87	$167.83	+ $0.19362
Rutland Gas Utility Corp. Rutland, Vt.	propane-air	70,000	A	$4.78		$12.66	$25.31				
			W	5.04				$51.37	$ 80.68	$191.95	+ $0.19620
			C	5.15							
Vt. Gas Corp. Bennington, Vt.	propane-air	75,000	A	$6.01		$10.84	$26.91	$60.55	$ 94.21	$228.80	+ $0.0456
			W	6.09							
			C	5.94							
Vermont Gas Systems Burlington, Colchester Essex Junction, St. Albans, Sheldon Springs, Swanton, So. Burlington, Winooski	natural	100,000		3.23							

VERMONT GAS UTILITIES
OPERATING REVENUES AND OPERATING EXPENSES INCLUDING TAXES
FOR YEARS ENDING DECEMBER 31, 1980 AND DECEMBER 31, 1981

Year	Utility & Location	Operating Revenues	Utility Operating Income	Maintenance Depreciation & Mgmt. Exp.	Taxes Other Than Income Tax	Federal Income Taxes	Vermont Income Taxes	Deferred Income Taxes	Utility Operating Expenses	Other Expenses	Net (Loss) Income
1980	Capital City Gas Co.	$ 311,130	$ 14,270	$ 300,194	$ 11,672	$	$ 50	$	$ 311,916	$ 14,986	$(1,502)
1981	Montpelier, Vt.	279,522	92,692	289,923	11,645		50		301,618	135,966	(65,370)
	Gas Company of Vermont,										
1980	Barre, Springfield,	$ 837,630	$ 22,391	$ 910,491	$ 21,890	$	$	$	$ 932,381	$ 74,162	$(146,522)
1981	St. Johnsbury, Vt.	912,005	48,847	997,895	25,104				1,022,999	98,668	(160,815)
1980	Rutland Gas Utility	$ 615,665	$ 32,231	$ 611,459	$ 21,158	$	$	$	$ 632,617	$(9,480)	$ 24,759
1981	Rutland, Vt.	649,692	19,906	700,107	22,684				722,791	(9,137)	(44,056)
1980	Vermont Gas Corp.	$ 412,857	$ 26,200	$ 402,622	$ 12,527	$	$	$	$ 415,149	$ 23,886	$ 22
1981	Bennington, Vt.	574,335	27,118	573,773	13,533				587,306	14,918	(771)
1980	Vermont Gas Systems	$22,464,390	$ 169,251	$19,865,612	$ 324,613	$ 749,070	$ 123,670	$ 87,880	$21,150,845	$ 352,327	$1,130,469
1981	Burlington, Colchester, Essex Junction, St. Albans, Sheldon Springs, Swanton, So. Burlington, Winooski	27,547,491	249,660	24,075,819	348,396	1,128,610	185,560	125,660	25,864,045	321,960	1,611,146

1986

Arlington
Barnet
Barton
Bennington
Concord
Craftsbury
Danville
Derby
Dorset
Greensboro
Hardwick
Island Pond
Lyndonville
Manchester
Morgan
Newport
North Troy
Norton
Orleans
Pownal
Rupert
Troy
Waterbury
West Burke
Williamstown

1987

Brandon
Middlebury
Salisbury
Vergennes

1988

Jeffersonville
Johnson
Morrisville

1989

East Fairfield
Enosburg Falls
Lunenburg
Newbury
Richford
Swanton

- **Completed: Continental Telephone Company**

Wallingford 1979
w/Remote Line Unit
at Cuttingsville

Bridgewater 1980
w/Remote Line Unit
at Plymouth

Richmond 1982 (October)
w/Remote Line Units
at Bolton Valley
Huntington
Jonesville
Lower Jonesville
Hanksville

- **Planned:**

Bristol 1983
W/4 Remote Line Units

Sherburne 1983
w/Remote Line Unit on
the Access Road

Wallingford 1983
w/2nd Remote Line Unit
at Mt. Holly

Wallingford w/3rd Remote Line Unit at Middletown Springs	1984
Springfield w/Remote Line Units at North Springfield Chester	1984
Wallingford w/4th Remote Line Unit at Pawlet	1985
Springfield w/3rd & 4th Remote Line Units at Grafton Saxtons River	1985
Hinesburg	1985
Charlotte	1985

- **Completed:**

Waitsfield— Fayston Telephone Company	1981 (February)
Northfield Northfield Telephone Company	1982 (May)

- **Planned**

Topsham Telephone Company	1984
Ludlow Telephone Company	
Ludlow Exchange	1983 (December)
Proctorsville Exchange	1986
Perkinsville Telephone Co.	1990

In general, Dial Tone First (Public Telephones with Operator Access without a Coin), and Custom Calling features such as Touch-Tone, Call Waiting, Call Forwarding, etc. are available in an exchange when the existing switch is replaced with a Stored Program Controlled Electronic Switch.

On September 18, 1981, New England Telephone Company filed a tariff providing for the introduction of Four Element (Frequency, Duration, Distance and Time-of-Day) Measured Service for customers in the Burlington Exchange served by the Burlington ESS Central Office.

The filing proposed the introduction of two new services for residence customers, Low Use Measured Service ($4.40 per month and a $1.50 monthly local usage allowance) and Standard Measured Service ($6.15 per month and a $4.50 monthly local usage allowance), and a change in the manner measured business customers are rated, from two elements (frequency and duration) to four elements. NET proposed this as a permanent offering, which would be expanded throughout the State, as the utility determined reasonable.

The Department opposed this filing primarily because this was the beginning of Measured Local Service (*Every* call a *Toll* Call) in Vermont, and because the proposal completely lacked reasonable cost data. Furthermore, NET wanted the service permanently.

After several days of hearings and cross-examination, NET agreed to modify the proposal to an eighteen month experiment, and to provide tracking and cost data. Under those terms, the Department no longer opposed the modified filing but reserved the right to oppose making the experiment permanent, if the Department were not satisfied with the cost data or the results of the experiment.

NEW ENGLAND TELEPHONE & TELEGRAPH COMPANY
TELEPHONES IN USE EACH YEAR

Year	Residence Main Telephones And Extensions	Business Main Telephones And Extensions	Total Main Telephones And Extensions	Percent Of Increase
1960	84,595	32,035	116,630	4.2%
1961	88,174	33,514	121,688	4.3%
1962	92,151	35,362	127,513	4.7%
1963	95,157	36,762	131,919	3.4%
1964	99,756	39,257	139,013	5.4%
1965	105,995	42,612	148,607	7.5%
1966	113,379	46,536	159,915	7.6%
1967	121,120	49,914	171,034	6.9%
1968	127,298	53,056	180,354	5.4%
1969	135,633	58,260	193,893	7.5%
1970	144,351	61,869	206,220	6.4%
1971	153,492	64,935	218,427	5.9%
1972	162,241	68,994	231,235	5.9%
1973	170,218	72,755	242,973	5.1%
1974	175,786	74,548	250,334	3.0%
1975	183,113	76,551	259,664	3.7%
1976	193,880	74,030	267,910	3.2%
1977	205,292	76,602	281,894	5.2%
1978	216,445	84,084	300,529	6.6%
1979	227,881	85,022	312,903	4.1%
1980	235,658	86,987	322,645	3.1%
1981	239,672	88,894	328,566	1.8%

COMBINED INDEPENDENT TELEPHONE COMPANIES
TELEPHONES IN USE EACH YEAR

Year	Residence Main Telephones And Extensions	Business Main Telephones And Extensions	Total Main Telephones And Extensions	Percent Of Increase
1960	12,882	3,331	16,213	4.5%
1961	13,355	3,446	16,801	3.6%
1962	13,804	3,648	17,452	3.8%
1963	14,347	4,025	18,372	5.2%
1964	15,108	4,142	19,250	4.8%
1965	16,070	4,654	20,724	7.7%
1966	17,250	5,007	22,257	7.3%
1967	18,461	5,157	23,618	6.2%
1968	19,976	5,911	25,887	9.6%
1969	21,653	6,303	27,956	8.0%
1970	23,466	6,623	30,089	7.6%
1971	25,212	6,964	32,176	6.9%
1972	27,014	7,544	34,558	7.4%
1973	29,128	8,111	37,239	7.8%
1974	30,677	8,505	39,182	5.2%
1975	32,027	8,391	40,418	3.2%
1976	33,552	8,767	42,319	4.7%
1977	35,124	9,252	44,376	4.9%
1978	37,693	10,447	48,140	8.5%
1979	39,699	11,062	50,761	5.4%
1980	42,216	11,351	53,567	5.5%
1981	39,573	10,208	49,781	(7.0%)

STATE OF VERMONT
TELEPHONE RATE CLASSIFICATIONS
NEW ENGLAND TELEPHONE & TELEGRAPH COMPANY

Main Telephone Exchange Service

Total Weighted Main Exchange Lines in Local Service Area (Group Limits)	Exchange Rate Group	COMPOSITE STATEWIDE SCHEDULE Residence Service Unlimited 1-Pty	Unlimited 2-Pty	Unlimited 4-Pty	Unlimited Suburban	Measured 1-Pty	MONTHLY BASE RATES Business Service Unlimited 1-Pty	Unlimited 2-Pty	Unlimited Suburban	Measured** 1-Pty
1-900	1	$ 6.55	$5.35	$4.10	$4.10		$15.75	$13.00	$ 9.05	85-$11.35
901-1,700	2	7.15	5.85	4.35	4.35		17.50	14.50	9.45	85- 11.35
1,701-3,600	3	7.80	6.35	4.65	4.65		19.25	16.00	9.85	85- 12.00
3,601-7,700	4	8.45	6.85	4.95	4.95	30-$4.40*	21.20	17.60	10.25	85- 12.00
7,701-17,000	5	9.15	7.35	5.30	5.30	30- 4.40*	23.65	19.20	10.70	85- 13.15
17,001-36,000	6	9.85	7.90	5.70	5.70		26.25	20.80	11.20	85- 13.15
36,001-75,000	7	10.55	8.45	6.10	6.10	30- 4.40*	29.50	22.40	11.70	85- 14.30

*Experimental in Bennington, Bethel, Newport and Underhill Exchanges only.

**Message unit allowance is shown with monthly rate. Additional message units are $.11 each.

Portions of an exchange or locality may be placed in a rate group different from the remainder of its exchange or locality due to the availability of Municipal Calling Service.

Rates in effect June 30, 1982

STATE OF VERMONT
TELEPHONE RATE CLASSIFICATIONS
CONTINENTAL TELEPHONE CORPORATION

Rate Group	Access Lines In Local Calling Area	Base Rate Area 1-Pty.	Base Rate Area 2-Pty.*	Base Rate Area 4-Pty.	Suburban 1-Party Zone A	Suburban 1-Party Zone B	Suburban 1-Party Zone C	Suburban 2-Party* Zone A	Suburban 2-Party* Zone B	Suburban 2-Party* Zone C	Suburban 4-Party Zone A	Suburban 4-Party Zone B	Suburban 4-Party Zone C
Residence:													
1	0– 500	$5.10	$4.20	$3.55	$6.30	$8.70	$12.30	$5.00	$6.60	$9.00	$3.55	$3.55	$3.55
2	501– 1,600	5.55	4.50	3.85	6.75	9.15	12.75	5.30	6.90	9.30	3.85	3.85	3.85
3	1,601– 3,300	6.00	4.90	4.15	7.20	9.60	13.20	5.70	7.30	9.70	4.15	4.15	4.15
4	3,301– 6,500	6.50	5.30	4.40	7.70	10.10	13.70	6.10	7.70	10.10	4.40	4.40	4.40
5	6,501–13,000	7.00	5.75	4.65	8.20	10.60	14.20	6.55	8.15	10.55	4.65	4.65	4.65
6	13,001–26,000	7.55	6.10	4.90	8.75	11.15	14.75	6.90	8.50	10.90	4.90	4.90	4.90
7	26,001–50,000	7.95	6.50	5.20	9.15	11.55	15.15	7.30	8.90	11.30	5.20	5.20	5.20
Business:													
1	0– 500	8.55	6.80		9.75	12.15	15.75	7.60	9.20	11.60	5.75	5.75	5.75
2	501– 1,600	11.90	9.75		13.10	15.50	19.10	10.55	12.15	14.55	6.00	6.00	6.00
3	1,601– 3,300	13.30	10.95		14.50	16.90	20.50	11.75	13.35	15.75	6.30	6.30	6.30
4	3,301– 6,500	14.75	12.10		15.95	18.35	21.95	12.90	14.50	16.90	6.60	6.60	6.60
5	6,501–13,000	16.85	13.30		18.05	20.45	24.05	14.10	15.70	18.10	6.90	6.90	6.90
6	13,001–26,000	18.60	14.60		19.80	22.20	25.80	15.40	17.00	19.40	7.20	7.20	7.20
7	26,001–50,000	20.40	15.95		21.60	24.00	27.60	16.75	18.35	20.75	7.50	7.50	7.50

Suburban Zone A = 1 mile from perimeter of base rate area.
Suburban Zone B = over 1 mile and up to 2½ miles from perimeter of base rate area.
Suburban Zone C = over 2½ miles from perimeter of base rate area.

*2-party limited to existing subscribers in certain exchanges, eliminated in others.
Above rates do not include monthly rate for telephone station.
Portions of an exchange may be placed in a rate group different from the remainder of its exchange due to the availability of Municipal Calling Service.

Rates in effect June 30, 1982

VERMONT TELEPHONE UTILITIES
OPERATING REVENUES AND EXPENSES
For Year Ending December 31, 1980

Utility	Gross Operating Revenues	Local Serv. & Misc. Revenues	Toll Revenues	Depreciation, Maintenance & Op. Expenses	Taxes– (incl. Federal Income Tax)	Net Operating Revenues	Other Income	Other Ded. from Income	Net Income
New England Tel. & Tel. Co. .	$128,704,841	$44,889,175	$83,815,666	$87,526,774	$19,183,974	$21,994,093	$ 75,243	$ 59,779	$22,009,557
Continental Telephone Corp. .	10,784,232	3,731,205	7,053,027	6,700,907	1,666,749	2,416,576	5,735	1,191,240	1,231,071
Waitsfield-Fayston Tel. Co. . .	1,730,643	376,013	1,354,630	1,329,334	185,418	215,891	197	94,754	121,334
Northfield Telephone Co.	757,519	287,938	469,581	449,896	150,070	157,553	12,985	38,132	132,406
Ludlow Telephone Co.	618,894	261,237	357,657	552,279	38,328	28,287	1,287	48,758	(19,184)
Shoreham Telephone Co.	603,426	185,680	417,746	274,709	130,233	198,484	2,324	4,723	196,085
Perkinsville Telephone	204,469	82,647	121,822	119,678	42,989	41,802	19,845	23,287	38,360
Topsham Telephone	218,751	75,102	143,649	187,795	21,123	9,833	6,486	15,032	1,287
Franklin Telephone Co.	87,312	34,515	52,797	44,991	5,944	36,377	34	6,958	29,453
Totals	$143,710,087	$49,923,512	$93,786,575	$97,186,363	$21,424,828	$25,098,896	$124,136	$1,482,663	$23,740,369

VERMONT TELEPHONE UTILITIES
OPERATING REVENUES AND EXPENSES
For Year Ending December 31, 1981

Utility	Gross Operating Revenues	Local Serv. & Misc. Revenues	Toll Revenues	Depreciation, Maintenance & Op. Expenses	Taxes– (incl. Federal Income Tax)	Net Operating Revenues	Other Income	Other Ded. from Income	Net Income
New England Tel. & Tel. Co. .	$140,952,028	$48,902,861	$ 92,049,167	$ 93,659,222	$22,148,579	$25,144,227	$262,531	$ 82,780	$25,323,978
Continental Telephone Corp. .	12,850,031	3,842,247	9,007,784	7,715,747	2,308,958	2,825,326	135,527	1,153,769	1,807,084
Waitsfield-Fayston Tel. Co. . .	2,369,361	448,409	1,920,952	1,674,032	307,844	387,485	(4,293)	169.381	213,811
Northfield Telephone Co.	966,529	314,359	652,170	580,475	181,201	204,853	33,354	62,068	176,139
Ludlow Telephone Co.	737,408	260,334	477,074	533,125	93,825	110,458	8,516	47,511	71,463
Shoreham Telephone Co.	652,221	186,928	465,293	352,604	142,397	157,220	35,249	4,013	188,456
Perkinsville Telephone	272,734	86,005	186,729	154,031	64,247	54,456	26,504	23,239	57,721
Topsham Telephone	310,708	78,174	232,534	244,212	29,695	36,801	7,146	13,431	30,516
Franklin Telephone Co.	91,188	36,255	54,933	56,168	8,595	26,425	0	7,943	18,482
Totals	$159,202,208	$54,155,572	$105,046,636	$104,969,616	$25,285,341	$28,947,251	$504,534	$1,564,135	$27,887,650

VERMONT TELEPHONE UTILITIES
PERCENTAGE OF TELEPHONE AND REVENUE GROWTH
For the Years Ended December 31, 1980 & 1981

Utility	December 31, 1980 Telephone Growth	December 31, 1980 Revenue Growth	December 31, 1981 Telephone Growth	December 31, 1981 Revenue Growth
New England Telephone & Telegraph Company	3.1%	15.4%	1.8%	9.5%
Continental Telephone Company	6.6%	7.4%	(11.9%)	19.2%
Waitsfield/Fayston Telephone	8.7%	2.0%	8.9%	36.9%
Northfield Telephone	0.6%	7.7%	0	27.6%
Ludlow Telephone	2.1%	7.0%	3.6%	19.1%
Shoreham Telephone	9.2%	13.7%	1.8%	8.1%
Perkinsville	9.4%	6.0%	3.0%	33.4%
Topsham	(19.5%)	(13.1%)	4.1%	19.5%
Franklin	7.3%	13.9%	4.1%	4.4%
Average Growth	3.4%	14.4%	0.6%	10.8%

RESIDENTIAL RATE COMPARISON
PRIVATE WATER SYSTEMS
STATE OF VERMONT

	Name of Company	Location	Number of Customers	Residential Flat	Residential Metered
1.	Allen Point	South Hero	7	$ 63.00	n/a
2.	Arlington Water Co.	Arlington	468	109.44	n/a
3.	Arrowhead Land Development Corp.	Georgia/Milton	134	120.00	
4.	Austin, Paul A.	Shelburne	3	100.00	n/a
5.	Barnet Water System	Barnet	* 40	48.00	n/a
6.	Beebe, Kenneth R.	Saxtons River	7	72.00	n/a
7.	Berlin Water Company, Inc.	Berlin	55	105.00	
8.	Bolton Water Supply System	Bolton	12	30.00	n/a
9.	Bonnell, Arthur A.	Newport	19	60.00	n/a
10.	Bouchard, Louis J. & Therese M.	Swanton	10	50.00	n/a
11.	Bromley Water Company, Inc.	Bromley	225	75.00	n/a
12.	Colonial Estates Water System	Rutland Town	34	67.14	
13.	Countryside Estates Water System	Rutland Town	* 16	100.00	n/a
14.	Craig, A. Z. Water System	West Burke	7	12.00	n/a
15.	Crystal Springs Water System	East Montpelier	84	137.00	n/a
16.	Dana Corporation	Milton	258	60.00	var.
17.	Deep Rock Water Company, Inc.	East Barre	24	75.00	n/a
18.	Dunbar Water System, Inc.	Barnet	66		
19.	Duxbury Water Company, Inc.	Duxbury	* 84	60.00	n/a
20.	East Burke Water System	East Burke	54	25.00	n/a
21.	Eastview Water Company, Inc.	East Montpelier	9	100.00	var.
22.	Eaton Water System	South Royalton	34	40.00	n/a
23.	Flory, John D. Sr.	Center Rutland	22	40.00	n/a
24.	Forrest Brook Water Corp.	Forest Dale	10	75.00	n/a
25.	Gallop Hill Water Corp.	Williston	40	80.00	var.
26.	Thomas T. Gould	East Burke	54		
27.	Grandview Acres Water Co., Inc.	Rutland	33	129.00	n/a
28.	Green Acres Development Water Co.	Rutland	75	150.00	n/a
29.	Heath, P. J. Water System	Chelsea	11	12.00	n/a
30.	International Water Company	Derby Line	948	62.00	n/a
31.	J. & F. Water Company	Colchester Ctr.	27		70.00
32.	Jay Utility Company	Jay	0	24.00	n/a
33.	Keyser Water System	Chelsea	91	20.00	18.00
34.	Killington Heights Water System	Rutland	* 20	100.00	n/a
35.	Krohn, John F.	Milton	3	120.00	n/a
36.	L.&B. Water Works, Inc.	Wheelock	21	60.00	n/a
37.	Lapan Bay Water System	Lapan Bay	24	80.00	n/a
38.	Long Point Realty Corp.	North Ferrisburg	120	5.00	n/a
39.	Malletts Bay Avenue Water Vo.	Colchester	85		130.00
40.	Middle Road Utility Co., Inc.	Colchester	2	n/f	n/f
41.	Montgomery Village Water Works	Montgomery	55	110.00	n/a
42.	Mountain Water Company	Warren		104.00	var.
43.	Mountainview Estates Water System	Rutland Town	* 24	100.00	n/a
44.	Passumpsic Aqueduct System, Inc.	Passumpsic	39	31.00	n/a
45.	Pownal Water Company	South Pownal	200	36.00	n/a
46.	Quechee Water Company	Quechee		120.00	var.
47.	Quarry Hill Water Company, Inc.	Barre Town	28	100.00	n/a
48.	Riverside Water Works, Inc.	Beecher Falls	116	15.00	n/a
49.	Rock Ridge Development Water Corp.	St. George	17	100.00	n/a
50.	Robbins Mountain Comm. Water Sys.	Richmond	21	85.60	n/a
51.	Rolling Meadows Homeowners Assoc. Inc.	Newfane	23	100.00	
52.	Sherwood Forest Development	Georgia	* 43	64.00	
53.	St. George Estates Water Corp.	St. George	24	n/a	144.00
54.	Smugglers Notch Water Co.	Jeffersonville	*118	100.00	n/a

55. Starksboro Aqueduct Co.	Starksboro	54	48.00	n/a
56. Stowe Lower Village Water System	Stowe	55	113.20	
57. Stratton Mountain Water Co., Inc.	Stratton/Windhall	126	var.	
58. Teachout Brothers Plumbing & Heating	East Haven	30	67.00	n/a
59. Towne Hill Water Co., Inc.	Montpelier	63	195	n/a
60. Treferen Water System	West Burke	30	12	n/a
61. Trombley Water System	Lake Bomoseen	24	96	n/a
62. Tygate Corp.	Huntington	26	72	n/a
63. Vancor Drive Water Assoc.	Saxtons River	7	72	n/a
64. Wagner Water System	West Burke	8	15	n/a
65. Walden Woods Water System	Essex	5	80	n/a
66. Waterbury Center Water Co.	Waterbury Center	110	36	n/a
67. Wells Lamson Water Co., Inc.	Websterville	17	50	n/a
68. West Burke Water System	West Burke	13	25	n/a
69. Westfield Water System	Westfield	* 33	100	n/a
70. Westminster Aqueduct Society	Westminster	64	70	n/a
71. Williston Hills Water Co., Inc.	Williston	56	109	n/a
72. Willoughby Lake Water	Willoughby Lake	16	25	n/a
73. Wind-Top Water Works, Inc.	Fairfax	35	110	n/a
74. Woodstock Aqueduct Co.	Woodstock	610	n/a	111

*Estimated

To obtain a rate comparison, it is necessary to make certain assumptions; these follow:

(1) 4 persons per family.
(2) Each family unit having a kitchen faucet and complete bathroom.
(3) Estimated annual use of 10,000 cu. ft. per family at 50 gal. per day ($4 \times 50 \times 365 \div 7.48$).

Notations:

n/a – Not applicable
NF – Not Filed
NR – Not Reported

VERMONT TELEPHONE UTILITIES
NET PLANT IN SERVICE
For Year Ended December 31, 1980

Utility	Plant in Service before CWIP & Future Use	Less Depreciation Reserve	Net Plant	Gross Operating Revenues	Investment in Net Plant to Produce $1 of Oper. Revenues	Number of Telephones In Service
New England Tel. & Tel. Co.	$317,368,788	$63,460,834	$253,907,954	$128,704,841	$ 1.97	322,645
Continental Telephone	34,680,051	9,172,909	25,507,142	10,784,232	2.36	35,945
Waitsfield-Fayston Tel. Co.	5,281,796	1,805,025	3,476,771	1,730,643	2.01	5,238
Northfield Telephone	2,751,561	1,084,619	1,666,942	757,519	2.20	3,612
Ludlow Telephone	1,571,624	647,097	924,527	618,894	1.49	3,233
Shoreham Telephone	1,997,058	763,845	1,233,213	603,426	2.04	3,186
Perkinsville Telephone	756,401	238,280	518,121	204,469	2.53	923
Topsham Telephone Company	1,141,110	424,955	716,155	218,751	3.27	726
Franklin Telephone	350,160	114,921	235,239	87,312	2.69	704
Totals	$365,898,549	$77,712,485	$288,186,064	$143,710,087	$ 2.00	376,212

VERMONT TELEPHONE UTILITIES
NET PLANT IN SERVICE
For Year Ended December 31, 1981

Utility	Plant in Service before CWIP & Future Use	Less Depreciation Reserve	Net Plant	Gross Operating Revenues	Investment in Net Plant to Produce $1 of Oper. Revenues	Number of Telephones In Service
New England Tel. & Tel. Co.	$357,499,748	$78,255,143	$279,244,605	$140,952,028	$ 1.98	328,566
Continental Telephone	36,940,717	10,845,871	26,094,846	12,850,031	2.03	31,669
Waitsfield-Fayston Tel. Co.	6,579,093	1,499,217	5,079,876	2,369,361	2.14	5,702
Northfield Telephone	3,090,169	1,256,513	1,833,656	966,529	1.90	3,606
Ludlow Telephone	1,881,585	784,124	1,097,461	737,408	1.49	3,121
Shoreham Telephone	2,270,783	862,201	1,408,582	652,221	2.16	3,243
Perkinsville Telephone	806,742	290,509	516,233	272,734	1.89	951
Topsham Telephone Company	1,139,608	424,955	714,653	310,708	2.30	756
Franklin Telephone	386,821	132,147	254,674	91,188	2.79	733
Totals	$410,595,266	$94,350,680	$316,244,586	$159,202,208	$ 1.99	378,347

VERMONT TELEPHONE UTILITIES
TAXES PAID
For Year Ended December 31, 1980

	Gross Rev.- State of Vermont	Franchise Tax- State's Gen. Fund	Property Taxes	Federal Inc. Tax	Other Taxes	Total Taxes	Gross Operating Revenues	Ratio of Taxes & Gross Revenues
New England Tel. & Tel. Co...	$ 356,503	$6,708,400	$612,466	$5,680,361	$5,826,244	$19,183,974	$128,704,841	14.91
Independent Telephone Companies	660,621	131,933	52,782	527,478	216,224	1,589,038	15,005,246	10.59
Totals	$1,017,124	$6,840,333	$665,248	$6,207,839	$6,042,468	$20,773,012	$143,710,087	14.45

VERMONT TELEPHONE UTILITIES
TAXES PAID
For Year Ended December 31, 1981

	Gross. Rev.- Pub. Serv. Board Fund	Franchise Tax- State's Gen. Fund	Property Taxes	Federal Inc. Tax	Other Taxes	Total Taxes	Gross Operating Revenues	Ratio of Taxes & Gross Revenues
New England Tel. & Tel. Co...	$ 317,651	$7,438,834	$654,876	$7,906,290	$5,830,928	$22,148,579	$140,952,028	15.71
Independent Telephone Companies	803,232	144,308	63,314	1,568,315	265,778	2,844,947	18,250,180	15.59
Totals	$1,120,883	$7,583,142	$718,190	$9,474,605	$6,096,706	$24,993,526	$159,202,208	15.70